PREPARED FOR

ANALYTICAL REPORT

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

Generated 10/4/2024 11:02:33 AM

JOB DESCRIPTION

CO90924

JOB NUMBER

310-290695-1

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 10/4/2024 11:02:33 AM

Authorized for release by Hannah Dietz, Project Manager I Hannah.Dietz@et.eurofinsus.com (319)277-2401

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Client: Clayton County Recycling Project/Site: CO90924

Laboratory Job ID: 310-290695-1

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Case Narrative

Client: Clayton County Recycling

Project: CO90924

Job ID: 310-290695-1 **Eurofins Cedar Falls**

> Job Narrative 310-290695-1

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 9/17/2024 8:30 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: 9-9-24 (310-290695-1). There was no cooling media present in the cooler.

PCBs

Method 8082A - TCLP: Surrogate recovery for the following sample was outside the upper control limit: 9-9-24 (310-290695-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Metals

Method 6010D - TCLP: The following sample was diluted due to the presence of an interferent. 9-9-24 (310-290695-1). 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.

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Job ID: 310-290695-1

Sample Summary

Client: Clayton County Recycling Project/Site: CO90924

Job ID: 310-290695-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-290695-1	9-9-24	Solid	09/09/24 00:00	09/17/24 08:30

Job ID: 310-290695-1

Client: Clayton County Recycling Project/Site: CO90924

PCB-1260

PCB-1268

Client Sample ID: 9-9-24 Date Collected: 09/09/24 00:00

Date Received: 09/17/24 08:30

Lab Sample ID: 310-290695-1

Matrix: Solid

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

Analyte	Result Q	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1221	< 0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1232	< 0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1242	<0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1248	< 0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1254	< 0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1260	<0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
PCB-1268	< 0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
Polychlorinated biphenyls, Total	<0.00196	0.00196		mg/L		09/25/24 08:30	09/26/24 16:58	1
Surrogate	%Recovery Q	ualifier Limits				Prepared	Analyzed	Dil Fac
DCP Decachlorohinhanyl (Surr)	146 2	11 122				00/25/24 09:20	00/26/24 16:59	

DCB Decachlorobiphenyl (Surr) 146 S1+ 11 - 122 09/25/24 08:30 09/26/24 16:58 Tetrachloro-m-xylene (Surr) 187 S1+ 23 - 123 09/25/24 08:30 09/26/24 16:58 Method: SW846 6010D - Metals (ICP) - TCLP Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil	ш								
Tetrachloro-m-xylene (Surr) 187 S1+ 23 - 123 09/25/24 08:30 09/26/24 16:58		Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
		Method: SW846 6010D - Metal	s (ICP) - TCLP						
DCB Decachlorobiphenyl (Surr) 146 S1+ 11 - 122 09/25/24 08:30 09/26/24 16:58		Tetrachloro-m-xylene (Surr)	187 S1+	23 - 123			09/25/24 08:30	09/26/24 16:58	1
		DCB Decachlorobiphenyl (Surr)	146 S1+	11 - 122			09/25/24 08:30	09/26/24 16:58	1

Arsenic <0.700 0.700 mg/L 09/20/24 10:00 09/23/24 16:53 Barium <1.40 1.40 mg/L 09/20/24 10:00 09/23/24 16:53 Cadmium < 0.140 0.140 mg/L 09/20/24 10:00 09/23/24 16:53 7 Chromium < 0.140 0.140 mg/L 09/20/24 10:00 09/23/24 16:53 Lead < 0.700 0.700 mg/L 09/20/24 10:00 09/23/24 16:53 7 Selenium < 0.700 0.700 mg/L 09/20/24 10:00 09/23/24 16:53 7 Silver < 0.350 0.350 09/20/24 10:00 09/23/24 16:53 mg/L

Method: SW846 7470A - Mercury (CVAA) - TCLP Result Qualifier **MDL** Unit Analyte RL D Prepared Analyzed Dil Fac Mercury <0.00200 0.00200 mg/L 09/23/24 15:50 09/24/24 10:41

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	4860		500		BTU/lb			09/22/24 12:11	1
Flashpoint (ASTM D92)	>201		65.0		Degrees F			09/26/24 14:25	1

General Chemistry - Soluble Analyte Result Qualifier RL **RL** Unit D Analyzed Dil Fac Prepared pH (SW846 9045D) 1.0 SU 8.1 HF 09/18/24 11:02

Client Sample ID: 9-9-24 Lab Sample ID: 310-290695-1 Date Collected: 09/09/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30

Date Received: 00/11/2	+ 00.00						CIOCIII OOIIG	3. 70.0
Method: SW846 8082			•		phy_			
Analyte	Result	Qualifier F	L MI	DL Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0843	0.084	3	mg/Kg		09/20/24 08:34	09/23/24 17:14	1
PCB-1221	<0.0843	0.084	3	mg/Kg	₽	09/20/24 08:34	09/23/24 17:14	1
PCB-1232	<0.0843	0.084	3	mg/Kg	☼	09/20/24 08:34	09/23/24 17:14	1
PCB-1242	<0.0843	0.084	3	mg/Kg	☼	09/20/24 08:34	09/23/24 17:14	1
PCB-1248	< 0.0843	0.084	3	mg/Kg	₩	09/20/24 08:34	09/23/24 17:14	1
PCB-1254	< 0.0843	0.084	3	mg/Kg	₩	09/20/24 08:34	09/23/24 17:14	1

0.0843

0.0843

< 0.0843

< 0.0843

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10/4/2024

09/20/24 08:34 09/23/24 17:14

09/20/24 08:34 09/23/24 17:14

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mg/Kg

mg/Kg

Percent Solids: 73.8

Client Sample Results

Client: Clayton County Recycling Job ID: 310-290695-1

Project/Site: CO90924

Client Sample ID: 9-9-24 Lab Sample ID: 310-290695-1

Date Collected: 09/09/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30

Percent Solids: 73.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Polychlorinated biphenyls, Total	<0.0843		0.0843		mg/Kg	₩	09/20/24 08:34	09/23/24 17:14	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
DCB Decachlorobiphenyl (Surr)	70		10 - 149				09/20/24 08:34	09/23/24 17:14	-
Tetrachloro-m-xylene (Surr)	34		10 - 147				09/20/24 08:34	09/23/24 17:14	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Halogens, Extractable Organic (SW846 9023)	1340		1260		mg/Kg	— <u>~</u>	09/18/24 15:08	09/18/24 19:16	

10/4/2024

Lab Chronicle

Client: Clayton County Recycling Job ID: 310-290695-1

Project/Site: CO90924

Client Sample ID: 9-9-24

Date Collected: 09/09/24 00:00 Date Received: 09/17/24 08:30

Lab Sample ID: 310-290695-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			433723	U8FK	EET CF	09/19/24 15:11 - 09/20/24 07:11 ¹
TCLP	Prep	3511			434207	D2YP	EET CF	09/25/24 08:30
TCLP	Analysis	8082A		1	434364	BW2O	EET CF	09/26/24 16:58
TCLP	Leach	1311			433723	U8FK	EET CF	09/19/24 15:11 - 09/20/24 07:11 ¹
TCLP	Prep	3010A			433786	F5MW	EET CF	09/20/24 10:00
TCLP	Analysis	6010D		7	434028	ZRI4	EET CF	09/23/24 16:53
TCLP	Leach	1311			433723	U8FK	EET CF	09/19/24 15:11 - 09/20/24 07:11 ¹
TCLP	Prep	7470A			433934	QTZ5	EET CF	09/23/24 15:50
TCLP	Analysis	7470A		1	434139	QTZ5	EET CF	09/24/24 10:41
Soluble	Leach	DI Leach			433498	HE7K	EET CF	09/18/24 09:15
Soluble	Analysis	9045D		1	433539	HE7K	EET CF	09/18/24 11:02
Total/NA	Analysis	D240-87		1	188773	PSC	EET HOU	09/22/24 12:11
Total/NA	Analysis	D92		1	434426	ENB7	EET CF	09/26/24 14:25

Client Sample ID: 9-9-24 Lab Sample ID: 310-290695-1 Date Collected: 09/09/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30 Percent Solids: 73.8

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3550B			433775	BDJ4	EET CF	09/20/24 08:34
Total/NA	Analysis	8082A		1	433927	BW2O	EET CF	09/23/24 17:14
Total/NA	Prep	9023			188094	YG	EET HOU	09/18/24 15:08
Total/NA	Analysis	9023		1	188288	YG	EET HOU	09/18/24 19:16

¹This 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

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10/4/2024

Definitions/Glossary

Client: Clayton County Recycling Job ID: 310-290695-1

Project/Site: CO90924

Qualifiers

GC Semi VOA

S1+ Surrogate recovery exceeds control limits, high biased.

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 ma	v or may	not be	present in this report.
ADDICTION	THOSE COMMISSION	, asca abbictiations inc	y or illu	110000	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

Eurofins Cedar Falls

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Accreditation/Certification Summary

Client: Clayton County Recycling

Project/Site: CO90924

Job ID: 310-290695-1

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 08-03-25	
Arkansas DEQ	State	88-00759		
Florida	NELAP	E871002	06-30-25	
Louisiana (All)	NELAP	03054	06-30-25	
Oklahoma	NELAP	1306	08-31-25	
Texas	NELAP	T104704215	06-30-25	
Texas	TCEQ Water Supply	T104704215	12-28-25	
USDA	US Federal Programs	525-23-79-79507	03-20-26	

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Method Summary

Client: Clayton County Recycling

Project/Site: CO90924

Job ID: 310-290695-1

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

Eurofins Cedar Falls

10/4/2024



Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information	
Client. (Junton (any Recycling	
City/State MMMMa STATE A Project:	
Receipt Information	
Date/Time DATE TIME Received By Received By	
Received By J	
Delivery Type [.] Delive	ee
☐ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other	
Condition of Cooler/Containers	
Sample(s) received in Cooler?	
Multiple Coolers? Yes You If yes: Cooler # of	
Cooler Custody Seals Present? Yes No If yes Cooler custody seals intact? Yes No	
Sample Custody Seals Present? Yes No If yes Sample custody seals intact? Yes No	
Trip Blank Present? ☐ Yes ☐ No If yes. Which VOA samples are in cooler? ↓	
•	
Temperature Record	
Coolant Wet ice Blue ice Dry ice Other NONE	
Thermometer ID Correction Factor (°C)	
• Temp Blank Temperature - If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Tempera	ture
Uncorrected Temp (°C): Corrected Temp (°C):	
Sample Container Temperature	-,-
CONTAINER 1 CONTAINER 2	
Container(s) used	
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	

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

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10/4/2024

Chain of Custody Record

Part Part	Date/Jime;	- 1	Date/Time	Received by: Date/Time:	
Page: Job #: 310-290695-1 Preservation Codes: Preservation Codes: Preservation Codes:	- 1				

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-290695-1

SDG Number:

Login Number: 290695 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.	False	
Cooler Temperature is recorded.	False	
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: 310-290695-1

SDG Number:

Login Number: 290695 **List Source: Eurofins Houston** List Number: 2

List Creation: 09/18/24 02:09 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 <6mm (1/4").	True	

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/4/2024 11:07:58 AM

JOB DESCRIPTION

CO90924B

JOB NUMBER

310-290696-1

Eurofins Cedar Falls 3019 Venture Way Cedar Falls IA 50613



Eurofins Cedar Falls

Job Notes

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Authorization

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Authorized for release by Hannah Dietz, Project Manager I Hannah.Dietz@et.eurofinsus.com (319)277-2401

Client: Clayton County Recycling Project/Site: CO90924B

Laboratory Job ID: 310-290696-1

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Case Narrative

Client: Clayton County Recycling

Project: CO90924B

Job ID: 310-290696-1 **Eurofins Cedar Falls**

> Job Narrative 310-290696-1

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 9/17/2024 8:30 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: 9-9-24 PM (310-290696-1). There was no cooling media present in the cooler.

PCBs

Method 8082A - TCLP: Tumbled in plastic due to matrix 9-9-24 PM (310-290696-1).

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

Method 6010D - TCLP: The following sample was diluted due to the presence of an interferent. 9-9-24 PM (310-290696-1). Elevated reporting limits (RLs) are provided.

Method 6010D - TCLP: Tumbled in plastic due to matrix 9-9-24 PM (310-290696-1).

Method 7470A - TCLP: Tumbled in plastic due to matrix 9-9-24 PM (310-290696-1).

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

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Job ID: 310-290696-1

Sample Summary

Client: Clayton County Recycling Project/Site: CO90924B

Job ID: 310-290696-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-290696-1	9-9-24 PM	Solid	09/09/24 00:00	09/17/24 08:30

Job ID: 310-290696-1

Client: Clayton County Recycling Project/Site: CO90924B

Client Sample ID: 9-9-24 PM

Lab Sample ID: 310-290696-1

Date Collected: 09/09/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30

Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1221	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1232	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1242	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1248	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1254	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1260	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
PCB-1268	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
Polychlorinated biphenyls, Total	<0.00182		0.00182		mg/L		09/25/24 08:30	09/26/24 17:35	1
Surrogate	%Recovery Q	ualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)			11 - 122				09/25/24 08:30	09/26/24 17:35	1
Tetrachloro-m-xylene (Surr)	118		23 - 123				09/25/24 08:30	09/26/24 17:35	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.600	0.600	mg/L		09/20/24 10:00	09/23/24 16:55	6
Barium	<1.20	1.20	mg/L		09/20/24 10:00	09/23/24 16:55	6
Cadmium	0.134	0.120	mg/L		09/20/24 10:00	09/23/24 16:55	6
Chromium	<0.120	0.120	mg/L		09/20/24 10:00	09/23/24 16:55	6
Lead	<0.600	0.600	mg/L		09/20/24 10:00	09/23/24 16:55	6
Selenium	<0.600	0.600	mg/L		09/20/24 10:00	09/23/24 16:55	6
Silver	<0.300	0.300	mg/L		09/20/24 10:00	09/23/24 16:55	6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		09/23/24 15:50	09/24/24 10:43	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			09/22/24 12:11	1
Flashpoint (ASTM D92)	>201		65.0		Degrees F			09/26/24 14:25	1
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH (SW846 9045D)	8.1	HF	1.0		SU			09/18/24 11:04	1

Client Sample ID: 9-9-24 PM Lab Sample ID: 310-290696-1 Date Collected: 09/09/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30 Percent Solids: 79.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.100		0.100		mg/Kg	— <u></u>	09/20/24 08:34	09/23/24 17:33	1
PCB-1221	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
PCB-1232	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
PCB-1242	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
PCB-1248	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
PCB-1254	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
PCB-1260	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
PCB-1268	<0.100		0.100		mg/Kg	☼	09/20/24 08:34	09/23/24 17:33	1

Eurofins Cedar Falls

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Client Sample Results

Client: Clayton County Recycling Job ID: 310-290696-1

Project/Site: CO90924B

Client Sample ID: 9-9-24 PM Lab Sample ID: 310-290696-1

Date Collected: 09/09/24 00:00 **Matrix: Solid**

Date Received: 09/17/24 08:30 Percent Solids: 79.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	<0.100		0.100		mg/Kg	₩	09/20/24 08:34	09/23/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	66		10 - 149				09/20/24 08:34	09/23/24 17:33	1
Tetrachloro-m-xylene (Surr)	42		10 - 147				09/20/24 08:34	09/23/24 17:33	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Halogens, Extractable Organic <593 593 mg/Kg \$\overline{\pi}\$ \overline{\pi \overline{9}\frac{18/24}{15:08}} \overline{\pi \overline{9}\frac{18/24}{19:22}} (SW846 9023)

10/4/2024

Lab Chronicle

Client: Clayton County Recycling Job ID: 310-290696-1

Project/Site: CO90924B

Client Sample ID: 9-9-24 PM

Date Received: 09/17/24 08:30

Lab Sample ID: 310-290696-1 Date Collected: 09/09/24 00:00

Matrix: Solid

Dilution Batch **Batch** Batch **Prepared** Method or Analyzed **Prep Type** Type Run **Factor** Number Analyst Lab TCLP 1311 433723 U8FK EET CF 09/19/24 15:11 - 09/20/24 07:11 ¹ Leach **TCLP** 3511 434207 D2YP EET CF 09/25/24 08:30 Prep **TCLP** Analysis 8082A 1 434364 BW2O **EET CF** 09/26/24 17:35 **TCLP** 09/19/24 15:11 - 09/20/24 07:11 1 Leach 1311 433723 U8FK EET CF **TCLP** Prep 3010A 433786 F5MW EET CF 09/20/24 10:00 **TCLP** Analysis 6010D 6 434028 ZRI4 09/23/24 16:55 EET CF **TCLP** Leach 1311 433723 U8FK EET CF 09/19/24 15:11 - 09/20/24 07:11 1 **TCLP** 7470A 433934 QTZ5 EET CF 09/23/24 15:50 Prep **TCLP** Analysis 7470A 434139 QTZ5 EET CF 09/24/24 10:43 Soluble Leach DI Leach 433498 HE7K EET CF 09/18/24 09:15 Soluble 9045D 433539 HE7K EET CF 09/18/24 11:04 Analysis 1 Total/NA Analysis D240-87 1 188773 PSC **EET HOU** 09/22/24 12:11 Total/NA Analysis D92 434426 ENB7 EET CF 09/26/24 14:25 1

Client Sample ID: 9-9-24 PM

Lab Sample ID: 310-290696-1 Date Collected: 09/09/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30 Percent Solids: 79.6

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3550B			433775	BDJ4	EET CF	09/20/24 08:34
Total/NA	Analysis	8082A		1	433927	BW2O	EET CF	09/23/24 17:33
Total/NA	Prep	9023			188094	YG	EET HOU	09/18/24 15:08
Total/NA	Analysis	9023		1	188288	YG	EET HOU	09/18/24 19:22

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

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Definitions/Glossary

Client: Clayton County Recycling Job ID: 310-290696-1

Project/Site: CO90924B

Qualifiers

General Chemistry

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.
¤	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: CO90924B

Job ID: 310-290696-1

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

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Method Summary

Client: Clayton County Recycling

Project/Site: CO90924B

Method **Method Description** Protocol Laboratory Polychlorinated Biphenyls (PCBs) by Gas Chromatography SW846 8082A **EET CF** 6010D Metals (ICP) SW846 EET CF 7470A SW846 Mercury (CVAA) 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** 1311 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

Protocol References:

9023

DI Leach

ASTM = ASTM International

Preparation, EOX

Deionized Water Leaching Procedure

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

Eurofins Cedar Falls

Job ID: 310-290696-1

EET HOU

EET CF

SW846

ASTM

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Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information		
Client () WHY	10000	ycling
City/State.	MUMUMA STATE	Project [·]
Receipt Information	1 1011011	
Date/Time	ATE TIME	Received By:
Received	9/17/24 / 0830	S Noccived By: J)
Delivery Type [,] Delivery Type	☐ FedEx	☐ FedEx Ground ☐ US Mail ☐ Spee-Dee
	Courier Lab Field Service	s Client Drop-off Other.
Condition of Cooler/Conta	ainers	rl.
Sample(s) received in Co	ooler? 🗌 Yes 🔯 No	If yes: Cooler ID
Multiple Coolers?	☐ Yes ☐ No	If yes: Cooler # of
Cooler Custody Seals Pr	resent? Yes No	If yes Cooler custody seals intact? Yes
Sample Custody Seals F No	Present? Yes No	If yes. Sample custody seals intact?☐ Yes ☐
Trip Blank Present?	☐ Yes 🙀 No	If yes. Which VOA samples are in cooler? ↓
Temperature Record		
Coolant	☐ Blue ice ☐ Dry i	ce Other:NONE
Thermometer ID ⁻		Correction Factor (°C)·
• Temp Blank Temperatur	e – If no temp blank, or temp blank	temperature above criteria, proceed to Sample Container Temperature
Uncorrected Temp (°C)		Corrected Temp (°C):
Sample Container Temp		1
Container(s) used.	CONTAINER 1	CONTAINER 2
Uncorrected Temp (°C)		
Corrected Temp (°C)		
Exceptions Noted	1 1 1 1 1	1.
1) If temperature excee	ds criteria, was sample(s) re	ceived same day of sampling?
, ,	vidence that the chilling prod	• -
2) If temperature is <0°	C. are there obvious signs the	nat the integrity of sample containers is compromised?
	broken/cracked bottles, froz	
	M before proceeding If no, pro	oceed with login
Additional Comments	?	

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

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10/4/2024

3019 Venture Way

Eurofins Cedar Falls

Chain of Custody Record

Carrier Tracking No(s):	
COC No:	eurofins Environment Test ng
10	0/4/202

Deliverable Requested: I, II III IV Other (specify) Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compilance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory of the sample is the sample of method, analyte & accreditation compilance upon our subcontract laboratories. This sample shipment is forwarded under chain accreditation in the State of Origin issted above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment accreditations will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC, attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compilance to Eurofins Environment Testing North Central, LLC, attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compilance to Eurofins Environment Testing North Central, LLC, attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compilance to Eurofins Environment Testing North Central, LLC, attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compilators. Project Name: CO90924B Cedar Falls, IA 50613 Phone: 319-277-2401 Fax: 319-277-2425 Relinquished by: 9-9-24 PM (310-290696-1) 4145 Greenbriar Dr Eurofins Environment Testing South Centr Client Information (Sub Contract Lab) Retinquished by: Empty Kit Relinquished by: Possible Hazard Identification 281-240-4200(Tel) TX, 77477 Stafford Shipping/Receiving Sample Identification - Client ID (Lab ID) elinquished by: Custody Seals Intact: Yes A No Custody Seal No. Date/Time: Project #: 31001320 Date/Time: Date/Time: Primary Deliverable Rank: 1 NO# Due Date Requested: 9/30/2024 Phone: Sample Date TAT Requested (days): 9/9/24 Date: Central Col (C=comp, G=grab) Туре Sample Preservation Code: ດ Company Company Matrix Solid Hannah.Dietz@et.eurofinsus.com Dietz, Hannah E Lab PM: Jime: Field Filtered Sample (Yes or No) Accreditations Required (See note) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Special Instructions/QC Requirements: Perform MS/M8D (Yes or No) Received by 9023/9023_Prep EOX Received by: Cooler Temperature(s) Received by: × D240_87_NP Analysis Requested °C and Other Remarks: lowa State of Origin: Method of Shipment 12268 Date/Time: Date/Time Date/Time: Total Number of containers 4 CKY) 310-76423.1 Preservation Codes: 310-290696-1 Page 1 of 1 Special Instructions/Note: Company Company Months

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-290696-1

SDG Number:

Login Number: 290696 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Creator. Homolar, Dana 3		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	False	
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: 310-290696-1

SDG Number:

Login Number: 290696
List Source: Eurofins Houston
List Number: 2
List Creation: 09/18/24 02:09 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 10/4/2024 11:12:33 AM

JOB DESCRIPTION

CO90824

JOB NUMBER

310-290697-1

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 10/4/2024 11:12:33 AM

Authorized for release by Hannah Dietz, Project Manager I Hannah.Dietz@et.eurofinsus.com (319)277-2401 Client: Clayton County Recycling Project/Site: CO90824

Laboratory Job ID: 310-290697-1

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Case Narrative

Client: Clayton County Recycling

Project: CO90824

Job ID: 310-290697-1 **Eurofins Cedar Falls**

> Job Narrative 310-290697-1

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 9/17/2024 8:30 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: 9-8-24 (310-290697-1). There was no cooling media present in the cooler.

PCBs

Method 8082A - TCLP: Tumbled in plastic due to matrix 9-8-24 (310-290697-1).

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

Method 6010D - TCLP: Tumbled in plastic due to matrix 9-8-24 (310-290697-1).

Method 6010D - TCLP: The following sample was diluted due to the presence of an interferent. 9-8-24 (310-290697-1). Elevated reporting limits (RLs) are provided.

Method 7470A - TCLP: Tumbled in plastic due to matrix 9-8-24 (310-290697-1).

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

General Chemistry

Method D92: Not enough sample available to fill cup to fill line. Used remaining sample. 9-8-24 (310-290697-1).

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

Eurofins Cedar Falls

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Job ID: 310-290697-1

Sample Summary

Client: Clayton County Recycling Project/Site: CO90824

Job ID: 310-290697-1

Lab Sample ID Client Sample ID Collected Received Matrix 310-290697-1 Solid 09/08/24 00:00 09/17/24 08:30 9-8-24

Job ID: 310-290697-1

Client: Clayton County Recycling

Project/Site: CO90824

Analyte

pH (SW846 9045D)

Client Sample ID: 9-8-24

Date Collected: 09/08/24 00:00 Date Received: 09/17/24 08:30

Lab Sample ID: 310-290697-1

Matrix: Solid

Analyte	Result Qua	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1221	< 0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1232	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1242	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1248	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1254	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1260	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
PCB-1268	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
Polychlorinated biphenyls, Total	<0.00179	0.00179	mg/L		09/25/24 08:30	09/26/24 16:39	1
Surrogate	%Recovery Qua	alifier Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	30	11 - 122			09/25/24 08:30	09/26/24 16:39	1
Tetrachloro-m-xylene (Surr)	79	23 - 123			09/25/24 08:30	09/26/24 16:39	1

Analyte	Result Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.700	0.700	1	mg/L		09/20/24 10:00	09/23/24 16:57	7
Barium	<1.40	1.40	ı	mg/L		09/20/24 10:00	09/23/24 16:57	7
Cadmium	0.222	0.140	ı	mg/L		09/20/24 10:00	09/23/24 16:57	7
Chromium	<0.140	0.140		mg/L		09/20/24 10:00	09/23/24 16:57	7
Lead	<0.700	0.700	ı	mg/L		09/20/24 10:00	09/23/24 16:57	7
Selenium	<0.700	0.700	ı	mg/L		09/20/24 10:00	09/23/24 16:57	7
Silver	<0.350	0.350		mg/L		09/20/24 10:00	09/23/24 16:57	7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		09/23/24 15:50	09/24/24 10:45	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
BTU (ASTM D240-87)	<500		500		BTU/lb			09/22/24 12:11	1
Flashpoint (ASTM D92)	>201		65.0		Degrees F			09/26/24 14:25	1

_	
Client Sample ID: 9-8-24	Lab Sample ID: 310-290697-1
Date Collected: 09/08/24 00:00	Matrix: Solid
Date Received: 09/17/24 08:30	Percent Solids: 83.1

RL

1.0

RL Unit

SU

D

Prepared

Result Qualifier

8.3 HF

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.324		0.324		mg/Kg	<u></u>	09/20/24 08:34	09/23/24 17:52	1
PCB-1221	<0.324		0.324		mg/Kg	₩	09/20/24 08:34	09/23/24 17:52	1
PCB-1232	< 0.324		0.324		mg/Kg	₩	09/20/24 08:34	09/23/24 17:52	1
PCB-1242	1.93		0.324		mg/Kg	₩	09/20/24 08:34	09/23/24 17:52	1
PCB-1248	< 0.324		0.324		mg/Kg	₩	09/20/24 08:34	09/23/24 17:52	1
PCB-1254	< 0.324		0.324		mg/Kg	₩	09/20/24 08:34	09/23/24 17:52	1
PCB-1260	<0.324		0.324		mg/Kg	₩	09/20/24 08:34	09/23/24 17:52	1
PCB-1268	< 0.324		0.324		mg/Kg	≎	09/20/24 08:34	09/23/24 17:52	1

Eurofins Cedar Falls

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09/18/24 11:05

Dil Fac

Analyzed

Client Sample Results

Client: Clayton County Recycling Job ID: 310-290697-1

Project/Site: CO90824

Client Sample ID: 9-8-24 Lab Sample ID: 310-290697-1

Date Collected: 09/08/24 00:00 **Matrix: Solid** Date Received: 09/17/24 08:30

Percent Solids: 83.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	1.93		0.324		mg/Kg	₽	09/20/24 08:34	09/23/24 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	42		10 - 149				09/20/24 08:34	09/23/24 17:52	1
Tetrachloro-m-xylene (Surr)	40		10 - 147				09/20/24 08:34	09/23/24 17:52	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Extractable Organic (SW846 9023)	<1060		1060		mg/Kg	<u></u>	09/18/24 15:08	09/18/24 19:36	1

10/4/2024

Lab Chronicle

Client: Clayton County Recycling Job ID: 310-290697-1

Project/Site: CO90824

Client Sample ID: 9-8-24

Date Collected: 09/08/24 00:00 Date Received: 09/17/24 08:30 Lab Sample ID: 310-290697-1

Matrix: Solid

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
TCLP	Leach	1311			433723	U8FK	EET CF	09/19/24 15:11 - 09/20/24 07:11 ¹
TCLP	Prep	3511			434207	D2YP	EET CF	09/25/24 08:30
TCLP	Analysis	8082A		1	434364	BW2O	EET CF	09/26/24 16:39
TCLP	Leach	1311			433723	U8FK	EET CF	09/19/24 15:11 - 09/20/24 07:11 ¹
TCLP	Prep	3010A			433786	F5MW	EET CF	09/20/24 10:00
TCLP	Analysis	6010D		7	434028	ZRI4	EET CF	09/23/24 16:57
TCLP	Leach	1311			433723	U8FK	EET CF	09/19/24 15:11 - 09/20/24 07:11 ¹
TCLP	Prep	7470A			433934	QTZ5	EET CF	09/23/24 15:50
TCLP	Analysis	7470A		1	434139	QTZ5	EET CF	09/24/24 10:45
Soluble	Leach	DI Leach			433498	HE7K	EET CF	09/18/24 09:15
Soluble	Analysis	9045D		1	433539	HE7K	EET CF	09/18/24 11:05
Total/NA	Analysis	D240-87		1	188773	PSC	EET HOU	09/22/24 12:11
Total/NA	Analysis	D92		1	434426	ENB7	EET CF	09/26/24 14:25

Client Sample ID: 9-8-24

Date Collected: 09/08/24 00:00

Matrix: Solid

Date Received: 09/17/24 08:30

Lab Sample ID: 310-290697-1

Matrix: Solid

Percent Solids: 83.1

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3550B			433775	BDJ4	EET CF	09/20/24 08:34
Total/NA	Analysis	8082A		1	433927	BW2O	EET CF	09/23/24 17:52
Total/NA	Prep	9023			188094	YG	EET HOU	09/18/24 15:08
Total/NA	Analysis	9023		1	188288	YG	EET HOU	09/18/24 19:36

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: 310-290697-1

Project/Site: CO90824

Qualifiers

General Chemistry

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

DL

DL, RA, RE, IN

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

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

Detection Limit (DoD/DOE)

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

Eurofins Cedar Falls

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Accreditation/Certification Summary

Client: Clayton County Recycling

Project/Site: CO90824

Job ID: 310-290697-1

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

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Method Summary

Client: Clayton County Recycling

Project/Site: CO90824

Method **Method Description** Protocol Laboratory Polychlorinated Biphenyls (PCBs) by Gas Chromatography SW846 8082A **EET CF** 6010D Metals (ICP) SW846 EET CF 7470A SW846 Mercury (CVAA) 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** 1311 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

Eurofins Cedar Falls

Job ID: 310-290697-1

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Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information					
Client: () auton (Ounty Reco	yaing				
City/State. GIT MUNUNA STATE	Project				
Receipt Information					
Date/Time PATE TIME OBSC	Received By.				
Delivery Type [.] ☐ FedEx	☐ FedEx Ground ☐ US Mail ☐ Spee-Dee				
Lab Courier Lab Field Service	es Client Drop-off Other:				
Condition of Cooler/Containers	· ·				
Sample(s) received in Cooler? Yes No	If yes: Cooler ID:				
Multiple Coolers?					
Cooler Custody Seals Present?					
Sample Custody Seals Present? Yes No If yes: Sample custody seals intact? Yes No					
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	k temperature above criteria, proceed to Sample Container Temperature				
Uncorrected Temp (°C)	Corrected Temp (°C)				
Sample Container Temperature	LCONTAINED				
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? 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					
Additional Comments	oceed with login				
Additional Comments	oceed with login				
Additional Comments	oceed with login				
Additional Comments	oceed with login				

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

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10/4/2024

Chain of Custody Record

VC0C/20/20									Δ Yes Δ No
	295	۵0.۲	ர்ீC and Other Remarks:	Cooler Temperaturate	Cool				Custody Seals Intact: Custody Seal No.
Company	رديه سرد	DangTinge:		Received by:	Rece	Company		Date/Time:	Relinquished by:
Company		Date/Ilme:		Received by:	Rece	Company		Date/Time:	Relinquished by:
Company		Date/lime:	A property of the second secon	Received by:	Rege	Company	500	Date/Time:	Relinquished by:
		Method of Shipment			Time:		Date:		Empty Kit Relinquished by
			C Requirements:	Special Instructions/Q	Special		ole Rank: 1	Primary Deliverable Rank:	Deliverable Requested: I, II, III IV Other (specify)
Months	t Disposal By Lab Archive For	Disposal By Lab			Sample 				Possible Hazard Identification Unconfirmed
nder chain-of-custody. If the I be provided. Any changes to t Testing North Central, LLC.	shipment is forwarded ur ry or other instructions will e to Eurofins Environment	oratories. This sample Central, LLC laborator ting to said compliance	upon our subcontract labt wironment Testing North of Chain of Custody attes	tion compliance to the Eurofins En	yte & accredita shipped back to current to date	ership of method, analy the samples must be sted accreditations are	LLC places the own atrix being analyzed ediately. If all reque	Testing North Central, we for analysis/tests/m	Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin issed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.
	<i>9.</i> %								
	Δ			×	×	Solid	Central G	9/8/24	9-8-24 (310-290697-1)
	X				X	ation Code;	<u> </u>		
Special Instructions/Note:	Total Numba Speci			D240_87_NP	Field Filtered Perform MS/ 9023/9023_Pre	Matrix (Winvester, Sincolle, Omivastefoli, BT-Tiesue, Amáir)	Sample Type Sample (C=comp, Time G=grab)	Sample Date	Sample Identification - Client ID (Lab ID)
	or of co				MSD (SSOW#	Site:
	111 611 611				000000000000000000000000000000000000000			Project #: 31001320	Project Name: CO90824
******	118				Miller CVX			WO#	Email:
					0)			**	Phone: 281-240-4200(TeI)
									State, ZD: TX, 77477
							Ŷ	TAT Requested (days):	City: Stafford
Coess	Preservation Codes:	ed	Analysis Requested	Ar				9/30/2024	Address: 4145 Greenbriar Dr
1 1	310-290697-1		ote):	Required (See no	Accreditations				nt Testing South Centr
	Page 1 of 1	TOngin:	om lowa	E-Mail: Hannah,Dietz@et.eurofinsus.com	ah.Dietz@e	Hanna Hanna	Approximately and the second s	Phone:	Client Contact Shipping/Receiving
	COC No. 310-76423.1	Carrier Tracking No(s):	Carrier		Lab PM: Dietz, Hannah E	Dietz, I		Sampler	t Lab)
ns Environment Testing	🥸 eurofins	mextes			ecord	Chain of Custody Record	nain of C	Ω	Eurofins Cedar Falls 3019 Venture Way Cedar Falls, IA 50613 Phone: 319-277-2401 Fax: 319-277-2425

Login Sample Receipt Checklist

Client: Clayton County Recycling

Job Number: 310-290697-1

SDG Number:

Login Number: 290697 List Source: Eurofins Cedar Falls

List Number: 1

Creator: Homolar, Dana J

Greator. Homolar, Dana 3		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	False	
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: 310-290697-1

SDG Number:

Login Number: 290697
List Number: 2
List Source: Eurofins Houston
List Creation: 09/18/24 02:09 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	
s 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	

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