ANALYTICAL REPORT

PREPARED FOR

Attn: Jay Tommasin Transco Railway Products PO BOX 112 Oelwein, Iowa 50662

Generated 12/23/2024 7:43:07 AM

JOB DESCRIPTION

Beneficial Use - Coal Slag and Steel Shot

JOB NUMBER

310-296581-1

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 12/23/2024 7:43:07 AM

Authorized for release by Samuel Miller, Project Management Assistant I Samuel.Miller@et.eurofinsus.com

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Case Narrative

Client: Transco Railway Products Job ID: 310-296581-1

Project: Beneficial Use - Coal Slag and Steel Shot

Eurofins Cedar Falls Job ID: 310-296581-1

> Job Narrative 310-296581-1

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

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

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

Receipt

The samples were received on 12/5/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°C.

Metals

Method 6010D - TCLP: The following sample(s) was diluted due to the presence of an interferent. Steel Shot (310-296581-2). 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

Method 7196A: The method blank for preparation batch 500-800140 and analytical batch 500-800421 contained Chromium, hexavalent above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 9045D - Soluble: Sample Coal Slag (310-296581-1) was above the top standard for pH.

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

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Sample Summary

Client: Transco Railway Products

Project/Site: Beneficial Use - Coal Slag and Steel Shot

Lab Sample ID Client Sample ID Matrix Collected Received 310-296581-1 Coal Slag Solid 12/04/24 10:00 12/05/24 15:00 310-296581-2 Steel Shot Solid 12/04/24 11:00 12/05/24 15:00

Job ID: 310-296581-1

34567

Job ID: 310-296581-1

Client Sample ID: Coal Slag

Date Collected: 12/04/24 10:00 Date Received: 12/05/24 15:00 Lab Sample ID: 310-296581-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Arsenic	<0.0300		0.100	0.0300	mg/L		12/13/24 16:15	1	ZRI4
Barium	0.724		0.200	0.0400	mg/L		12/13/24 16:15	1	ZRI4
Cadmium	<0.00390		0.0200	0.00390	mg/L		12/13/24 16:15	1	ZRI4
Chromium	<0.00600		0.0200	0.00600	mg/L		12/13/24 16:15	1	ZRI4
Lead	<0.0370		0.100	0.0370	mg/L		12/13/24 16:15	1	ZRI4
Selenium	<0.0290		0.100	0.0290	mg/L		12/13/24 16:15	1	ZRI4
Silver	<0.0160		0.0500	0.0160	mg/L		12/13/24 16:15	1	ZRI4

Method: 6020B - Metals (IC	CP/MS) - SPLP West								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.0324		0.0400	0.0324	mg/L		12/12/24 17:02	4	NFT2
Arsenic	<0.0204		0.0400	0.0204	mg/L		12/12/24 17:02	4	NFT2
Barium	0.146	J	0.200	0.0640	mg/L		12/12/24 17:02	4	NFT2
Beryllium	<0.00680		0.0200	0.00680	mg/L		12/12/24 17:02	4	NFT2
Cadmium	<0.00280		0.0100	0.00280	mg/L		12/12/24 17:02	4	NFT2
Chromium	<0.0440		0.100	0.0440	mg/L		12/12/24 17:02	4	NFT2
Copper	<0.0360		0.100	0.0360	mg/L		12/12/24 17:02	4	NFT2
Lead	<0.00760		0.0200	0.00760	mg/L		12/12/24 17:02	4	NFT2
Selenium	<0.0332		0.100	0.0332	mg/L		12/12/24 17:02	4	NFT2
Thallium	<0.0116		0.0200	0.0116	mg/L		12/12/24 17:02	4	NFT2

Method: 7470A - Mercury (CVAA) -	TCLP									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst	
Mercury	<0.00110		0.00200	0.00110	mg/L		12/16/24 13:26	1	QTZ5	

Method: 7470A - Mercury (CVAA) -	SPLP West									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst	
Mercury	<0.00110		0.00200	0.00110	mg/L		12/16/24 12:41	1	QTZ5	

General Chemistry										
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst	
Percent Moisture (Moisture)	0.4		0.1	0.1	%		12/06/24 06:05	1	W9YR	
Percent Solids (Moisture)	99.6		0.1	0.1	%		12/06/24 06:05	1	W9YR	
General Chemistry - Soluble										

General Chemistry - Soluble										
Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst	
pH (9045D)	11.4	HF	1.0	1.0	SU		12/06/24 21:30	1	T5AC	
_										

General Chemistry - SPLP										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst	
Fluoride (4500 F C-2011)	<0.200		0.200	0.200	mg/L		12/11/24 14:53	1	WZC8	

Client Sample ID: Coal Slag

Date Collected: 12/04/24 10:00

Date Received: 12/05/24 15:00

Lab Sample ID: 310-296581-1

Matrix: Solid

Percent Solids: 99.6

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.382		0.849	0.382	mg/Kg	-	12/11/24 19:40	5	NFT2
Arsenic	4.38		0.849	0.357	mg/Kg	₽	12/11/24 19:40	5	NFT2
Barium	8990		17.0	8.49	mg/Kg	₽	12/12/24 12:33	100	NFT2

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Project/Site: Beneficial Use - Coal Slag and Steel Shot

Client Sample ID: Coal Slag

Client: Transco Railway Products

Date Collected: 12/04/24 10:00 Date Received: 12/05/24 15:00 Lab Sample ID: 310-296581-1

Matrix: Solid

Percent Solids: 99.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Beryllium	4.20	J	8.49	3.40	mg/Kg	*	12/12/24 12:33	100	NFT2
Boron	<425		849	425	mg/Kg	₩	12/12/24 12:33	100	NFT2
Cadmium	<0.161		0.425	0.161	mg/Kg	₽	12/11/24 19:40	5	NFT2
Chromium	64.3		1.27	0.552	mg/Kg	₽	12/11/24 19:40	5	NFT2
Cobalt	11.0		0.425	0.195	mg/Kg	₽	12/11/24 19:40	5	NFT2
Copper	38.4		1.27	0.518	mg/Kg	₽	12/11/24 19:40	5	NFT2
Lead	4.56		2.12	0.662	mg/Kg	₽	12/11/24 19:40	5	NFT2
Lithium	39.6		2.12	0.611	mg/Kg	₽	12/11/24 19:40	5	NFT2
Manganese	526		2.12	1.02	mg/Kg	₽	12/11/24 19:40	5	NFT2
Molybdenum	6.83		0.849	0.458	mg/Kg	₽	12/11/24 19:40	5	NFT2
Nickel	29.8		1.27	0.577	mg/Kg	₽	12/11/24 19:40	5	NFT2
Selenium	1.38		1.27	0.637	mg/Kg	₽	12/11/24 19:40	5	NFT2
Silver	<0.187		0.425	0.187	mg/Kg	₽	12/11/24 19:40	5	NFT2
Thallium	<0.212		0.425	0.212	mg/Kg	₽	12/11/24 19:40	5	NFT2
Vanadium	106		1.27	0.391	mg/Kg	₽	12/11/24 19:40	5	NFT2
Zinc	193		84.9	40.8	mg/Kg	\$	12/12/24 12:33	100	NFT2
Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	0.00884	J	0.0158	0.00648	mg/Kg	*	12/17/24 09:33	1	QTZ5
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Fluoride (4500 F C-2011)	0.548	J	0.996	0.538	mg/Kg	-	12/11/24 14:08	1	WZC8

Client Sample ID: Steel Shot

Date Collected: 12/04/24 11:00

Date Received: 12/05/24 15:00

Lab Sample ID: 310-296581-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Arsenic	<0.0600		0.200	0.0600	mg/L		12/19/24 14:57	2	ZRI4
Barium	0.535		0.400	0.0800	mg/L		12/19/24 14:57	2	ZRI4
Cadmium	<0.00780		0.0400	0.00780	mg/L		12/19/24 14:57	2	ZRI4
Chromium	<0.0120		0.0400	0.0120	mg/L		12/19/24 14:57	2	ZRI4
Lead	<0.0740		0.200	0.0740	mg/L		12/19/24 14:57	2	ZRI4
Selenium	<0.0580		0.200	0.0580	mg/L		12/19/24 14:57	2	ZRI4
Silver	<0.0320		0.100	0.0320	mg/L		12/19/24 14:57	2	ZRI4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.0324		0.0400	0.0324	mg/L		12/12/24 17:05	4	NFT2
Arsenic	<0.0204		0.0400	0.0204	mg/L		12/12/24 17:05	4	NFT2
Barium	0.216		0.200	0.0640	mg/L		12/12/24 17:05	4	NFT2
Beryllium	<0.00680		0.0200	0.00680	mg/L		12/12/24 17:05	4	NFT2
Cadmium	<0.00280		0.0100	0.00280	mg/L		12/12/24 17:05	4	NFT2
Chromium	<0.0440		0.100	0.0440	mg/L		12/12/24 17:05	4	NFT2
Copper	<0.0360		0.100	0.0360	mg/L		12/12/24 17:05	4	NFT2
Lead	<0.00760		0.0200	0.00760	mg/L		12/12/24 17:05	4	NFT2
Selenium	<0.0332		0.100	0.0332	mg/L		12/12/24 17:05	4	NFT2
Thallium	<0.0116		0.0200	0.0116	mg/L		12/12/24 17:05	4	NFT2

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Job ID: 310-296581-1

Client Sample ID: Steel Shot

Date Collected: 12/04/24 11:00 Date Received: 12/05/24 15:00 Lab Sample ID: 310-296581-2

Matrix: Solid

Analyte	Result Qualifier	RL	MDL Unit	D	Analyzed	Dil Fac Analyst
Mercury	<0.00110	0.00200	0.00110 mg/L		12/16/24 13:28	1 QTZ5

Method: 7470A - Mercury (CVAA) - SPLP West

Analyte	Result Qualifier	RL	MDL Unit	D	Analyzed	Dil Fac Analyst
Mercury	<0.00110	0.00200	0.00110 mg/L		12/16/24 12:43	1 QTZ5

General Chemistry

Analyte	Result Qualifier	RL	RL U	Jnit	D	Analyzed	Dil Fac	Analyst	
Chromium, trivalent (7196A)	391	1.00	1.00 n	mg/Kg		12/16/24 14:29	1	HE7K	
Percent Moisture (Moisture)	1.2	0.1	0.1 %	%		12/06/24 06:05	1	W9YR	
Percent Solids (Moisture)	98.8	0.1	0.1 9	%		12/06/24 06:05	1	W9YR	

General Chemistry - Soluble

Analyte	Result Qualifier	RL	RL Unit	D Analyzed	Dil Fac Analyst	
pH (9045D)	8.4 HF	1.0	1.0 SU	12/06/24 21:32	1 T5AC	

General Chemistry - SPLP

Analyte	Result Qualifier	RL	MDL Unit	D	Analyzed	Dil Fac Analyst
Fluoride (4500 F C-2011)	0.983	0.200	0.200 mg/L		12/11/24 14:56	1 WZC8

Client Sample ID: Steel Shot

Date Collected: 12/04/24 11:00 Date Received: 12/05/24 15:00 Lab Sample ID: 310-296581-2

Matrix: Solid Percent Solids: 98.8

Method: 6020B - Metals (ICP/MS)

Analyte

Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	2.86		0.822	0.370	mg/Kg	⇔	12/11/24 19:42	5	NFT2
Arsenic	10.3		0.822	0.345	mg/Kg	⇔	12/11/24 19:42	5	NFT2
Barium	6870		16.4	8.22	mg/Kg	₽	12/12/24 12:36	100	NFT2
Beryllium	0.272	J	0.411	0.164	mg/Kg	₽	12/11/24 19:42	5	NFT2
Boron	47.3		41.1	20.5	mg/Kg	₽	12/11/24 19:42	5	NFT2
Cadmium	0.419		0.411	0.156	mg/Kg	₽	12/11/24 19:42	5	NFT2
Chromium	391		1.23	0.534	mg/Kg	₽	12/11/24 19:42	5	NFT2
Cobalt	25.3		8.22	3.78	mg/Kg	₽	12/12/24 12:36	100	NFT2
Copper	385		1.23	0.501	mg/Kg	₽	12/11/24 19:42	5	NFT2
Lead	8.52		2.05	0.641	mg/Kg	₽	12/11/24 19:42	5	NFT2
Lithium	9.93		2.05	0.592	mg/Kg	₽	12/11/24 19:42	5	NFT2
Manganese	2800		41.1	19.7	mg/Kg	₽	12/12/24 12:36	100	NFT2
Molybdenum	105		0.822	0.444	mg/Kg	₽	12/11/24 19:42	5	NFT2
Nickel	197		1.23	0.559	mg/Kg	₽	12/11/24 19:42	5	NFT2
Selenium	<0.616		1.23	0.616	mg/Kg	₽	12/11/24 19:42	5	NFT2
Silver	0.239	J	0.411	0.181	mg/Kg	₽	12/11/24 19:42	5	NFT2
Thallium	<0.205		0.411	0.205	mg/Kg	⇔	12/11/24 19:42	5	NFT2
Vanadium	50.5		24.7	7.56	mg/Kg	₽	12/12/24 12:36	100	NFT2
Zinc	2250		82.2	39.4	mg/Kg	₽	12/12/24 12:36	100	NFT2

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 Dil Fac
 Analyst

 1
 QTZ5

Analyzed

12/17/24 09:39

RL

0.0188

MDL Unit

0.00771 mg/Kg

Result Qualifier

0.0300

Client Sample Results

Client: Transco Railway Products Job ID: 310-296581-1

Project/Site: Beneficial Use - Coal Slag and Steel Shot

Client Sample ID: Steel Shot Lab Sample ID: 310-296581-2

Date Collected: 12/04/24 11:00 Matrix: Solid

Date Received: 12/05/24 15:00 Percent Solids: 98.8

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chromium, hexavalent (7196A)	<0.385		0.993	0.385	mg/Kg	*	12/20/24 17:33	1	PFK
- General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Fluoride (4500 F C-2011)	1.47		1.00	0.542	mg/Kg	<u></u>	12/11/24 14:18	1	WZC8

Client: Transco Railway Products

Project/Site: Beneficial Use - Coal Slag and Steel Shot

Job ID: 310-296581-1

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
lowa	State	007	12-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
4500 F C-2011		Solid	Fluoride	
6020B	3050B	Solid	Lithium	
7196A		Solid	Chromium, trivalent	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

Laboratory: Eurofins Chicago

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

Authority	Program	Identification Number	Expiration Date
lowa	State	082	05-01-26

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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)

Eurofins Cedar Falls

Accreditation/Certification and Definitions Summary

Client: Transco Railway Products

Job ID: 310-296581-1

Project/Site: Beneficial Use - Coal Slag and Steel Shot

Glossary (Continued)

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

MPN Most Probable Number

MQL Method Quantitation Limit

MRL Method Reporting 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

SDL Sample Detection Limit
SDL Sample Detection Limit
SDL Sample Detection Limit

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

3

4

5

-

Method Summary

Client: Transco Railway Products

Project/Site: Beneficial Use - Coal Slag and Steel Shot

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CF
6020B	Metals (ICP/MS)	SW846	EET CF
7470A	Mercury (CVAA)	SW846	EET CF
7471B	Mercury (CVAA)	SW846	EET CF
4500 F C-2011	Fluoride (Ion-selective Electrode)	SM	EET CF
7196A	Chromium, Trivalent (Colorimetric)	SW846	EET CF
196A	Chromium, Hexavalent	SW846	EET CHI
045D	pH	SW846	EET CF
/loisture	Percent Moisture	EPA	EET CF
311	TCLP Extraction	SW846	EET CF
312	SPLP Extraction	SW846	EET CF
8010A	Preparation, Total Metals	SW846	EET CF
050B	Preparation, Metals	SW846	EET CF
8060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CHI
470A	Preparation, Mercury	SW846	EET CF
7471B	Preparation, Mercury	SW846	EET CF

Protocol References:

DI Leach

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

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 CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Job ID: 310-296581-1

EET CF

ASTM



Environment Testing America



Cooler/Sample Receipt and Temperature Log Form

Client Information						
Client: 1905 (O						
City/State:		STATE	Project:			
Receipt Information						
Date/Time Received:	75/24	1500	Received By:	AS		
Delivery Type: UPS	^ℓ ☐ FedE>	×	☐ FedEx Groun	nd 🔲 U:	S Mail	Spee-Dee
√ Lab C	ourier 🗌 Lab Fi	ield Services	☐ Client Drop-o	off 🔲 Ot	ther:	
Condition of Cooler/Conta	iners					
Sample(s) received in Co	oler? 🗖 Yes	☐ No	If yes: Cooler	· ID:		
Multiple Coolers?	☐ Yes	√Z No	If yes: Cooler	# of _		
Cooler Custody Seals Pre	esent?	No No	If yes: Cooler	custody seals	s intact?] Yes
Sample Custody Seals Pr No	resent?	7 No	<i>If yes:</i> Sampl	e custody sea	ls intact?[] Yes
Trip Blank Present?	☐ Yes	i ØNo	If yes: Which	VOA samples	are in co	oler? ↓
	- Titlestoon					***************************************
Temperature Record						
Coolant: X Wet ice	☐ Blue ice	☐ Dry ice	e Dther:_		Пи	ONE
				. (00)		
Thermometer ID:			Correction Fac		0	
• Temp Blank Temperature	- If no temp blank,	or temp blank te			Sample Cont	ainer Temperature
Uncorrected Temp (°C):	1.4		Corrected Ten	ip (°C):		
Sample Container Tempe	CONTAINER 1		T C	ONTAINER 2		
Container(s) used:	CONTAINER I			ONTAINEN Z		
Uncorrected Temp (°C):						
Corrected Temp (°C):						
Exceptions Noted						
If temperature exceed a) If yes: Is there ev	·		•	of sampling?	☐ Yes ☐ Yes	☐ No ☐ No
2) If temperature is <0°C (e.g., bulging septa, b				sample contai	ners is coi	mpromised?
NOTE If yes, contact Ph	и before proceedir	ng. If no, proc	eed with login			
Additional Comments					**************************************	

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

Eurofins Cedar Falls								
3019 Venture Way	Chain of Custody Record	stody Rec	7			24	eurofins	
Cedar Falls, IA 50613 Phone (319) 277-2401 Phone (319) 277-2425		stody Neck	3			•		Env ronment Testing
	Sampler	Lab PM:		Г	Carrier Tracking No(s):		COC No:	
Clear Costs		Miller, San	nel			2	310-99654-27015	1
	Phone:	E-Mail: Samuel Mi	E-Mail: Samuel Miller@et.eurofinsus com		State of Origin:	<u>a u</u>	Page: Page 1 of 1	
Company Transco Railway Products	PWSID:			Analysis Pogueted	potod		10b #.	
Address: 300 7th Avenue NW	Due Date Requested:			Discourse of the second	Parea	*	Preservation Codes:	
City	TAT Requested (days):		θ			<u></u>	- None	
State, Zip:		7	ıutai			*		
IA, 50662	Compliance Project: △ Yes △ No							
	PO#. 164478							
Email: Austin.Popham@transcorailway com	WO#.							
Project Name: Beneficial Use- Coal Slag and Steel Shot	Project #.					ilneri		
	SSOW#:					COLUMN TO STATE OF THE PARTY OF	Other	
		es p				10 38		
		Matrix to (w=water, to the MS sesoid, to the property to the MS sesoid, to the property to the matrix to the matri	8 1747 ,A 40209 ,C			odmuN (
Sample Identification	Sample Date Time G=grab)	O=waste/oil, 0 BT=Tissue, A=Air) 12				BJOT	Special Inst	Special Instructions/Note:
	X	tion Code:	300			X		
Coal Slag		Solid						
Steel Shot		Solid						
Identification			mple Disposal (A fee may be ass	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	are retained	longer than 1 n	onth)
Non-Hazard Flammable Skin Imitant Poison B	son B Unknown Radiological		Return To Client	ent Dis	Disposal By Lab	Archive For	re For	Months
Deilverable Requested 1, 11, 11, Other (specify)		dS	ecial Instructions/	Special Instructions/QC Requirements:				
inquished by:	Date:	Time:		, ,	Method of Shipment:			
Kelinquished by Austin Papan	Date/Time:	Company Transco	Received by	4	Date/Time:	" 1d-p-14	1300	Сотрапу
	.Date/Time:	Company	Received by:		Date/Time:	 		Company
	Date/Time:	Company	Received by:		Date/Time			Company
Custody Seals Intact: Custody Seal No			Cooler Temperature	Cooler Temperature(s) °C and Other Remarks:	ırks:			
								Ver. 05/06/2024

Eurofins Cedar Falls

3019 Venture Way

Cedar Falls, IA 50613 Phone 319-277-2401 Fax 319 277-2425

Chain of Custody Record

Sampler

Lab PM



Carrier Tracking No(s)

eurofins

COC No.

r in alleting

Client Information (Sub Contract Lab)	N/A		Miller,	San	nuel					N/A					310-79202 1		
llent Contact. Shipping/Receiving	Phone ⁻ N/A		E-Mail Samue	uel Miller@et eurofinsus com lowa											Page 1 of 1		
ompany.					ccreditations Required (See note) tate - Iowa, State Program - Iowa							Job#. 310-296581-1					
urofins Environment Testing North Centr	Due Date Requested			otate	Preservation Codes										'S		
417 Bond Street,	12/18/2024						A	nalys	is Re	ques	ted		 .	7			
ity Jniversity Park	TAT Requested (days)	/A															
tate Zip.				1	1												
L, 60484 310-296581 COC -	PO#:																
708-534-5200(Tel) 708-534-5211(Fax)	N/A			اء													
mail. N/A	WO #: N/A		2	ž 6	P P												
Project Name	Project #:		—— <u> </u>	or No	Method			1 1						ners			
Beneficial Use - Coal Slag and Steel Shot	31002554				1 7									containers			
N/A	ssow#: N/A		i i	Field Fittered Sample (Perform MS/MSD (Yes	(MOD)									9 6			
		Sample Mat	trix	Da W	S A		i		1								
		Type (way	vater,	<u> </u>	7196A/3060A									Total Number			
	Sample		olid, ste/oil, se, A=Air)		96A/				- [la I			
Sample Identification - Client ID (Lab ID)	Sample Date Time	G≈grab) Вт=тізьи Preservation Co		₩	1	++		+-+	_					E	Special Ins	structions/Note:	
Steel Shot (310-296581-2)	11 00		olid	¥	٧.,	+-+	-	+	-	+		1		+			
Steel Shot (310-290001-2)	12/4/24 Centra	G So		+	X	++	+	++	+	-		_		+-			
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				T	1	11		$\dagger \dagger$	_			1		-			
Note. Since laboratory accreditations are subject to change Eurofins Environmen aboratory does not currently maintain accreditation in the State of Origin listed ab																	
accreditation status should be brought to Eurofins Environment Testing North Cer																	•
Possible Hazard Identification				s		-			nay be	asses	sed if	sample	es are r	etain	ed longer than 1 i	month)	
Unconfirmed				4		Return					sal By	Lab		Arcl	hive For	Months	
Deliverable Requested I II, III, IV, Other (specify)	Primary Deliverable Rank	k 1		S	pecia	al Instruc	ctions/	QC Re	quirem	ents							
Empty Kit Relinquished by	Date			Time			11		_1		Method	of Shipm	ent:				
Relinquished by	Date/Time*	1450 Compa	iny		Re	ceived by	Uhi		DAG	1		Date	Tim 13	DL	0920	Company Port	1
Relinquished by:	Date/Time	Compa	ny		Re	ceived by	7 , v -		محم	<i>-</i> //-		Date	Time /			Company	
Relinquished by	Date/Time	Compa	iny		Re	ceived by						Date	Time	<u>-</u>		Company	
Custody Seals Intact					Co	oler Temp	erature(s) °C an	d Other f	Remarks	s.	38	<u>~</u>	3-	7	<u> </u>	
2 100 2 110														~/		1/ 10/10/2024	