



ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/6/2025 12:33:00 PM

JOB DESCRIPTION

Benficial Use-Coal Slag and Steel Shot

JOB NUMBER

310-304993-1

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
5/6/2025 12:33:00 PM

Authorized for release by
Samuel Miller, Project Management Assistant I
Samuel.Miller@et.eurofinsus.com
(319)595-2008

Case Narrative

Client: Transco Railway Products
Project: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Job ID: 310-304993-1

Eurofins Cedar Falls

Job Narrative 310-304993-1

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 4/24/2025 2:45 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 18.4°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: Coal Slag (310-304993-1) and Steel Shot (310-304993-2). This does not meet regulatory requirements.

Metals

Method 6010D - TCLP: The following sample(s) was diluted due to the presence of an interferent. Steel Shot (310-304993-2). 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 following sample was diluted due to the nature of the sample matrix: Steel Shot (310-304993-2). 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.

Eurofins Cedar Falls

Sample Summary

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-304993-1	Coal Slag	Solid	04/22/25 12:15	04/24/25 14:45
310-304993-2	Steel Shot	Solid	04/22/25 12:20	04/24/25 14:45

Client Sample Results

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Client Sample ID: Coal Slag

Lab Sample ID: 310-304993-1

Date Collected: 04/22/25 12:15

Matrix: Solid

Date Received: 04/24/25 14:45

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Arsenic	<0.0300		0.100	0.0300	mg/L		04/30/25 15:49	1	ZRI4
Barium	1.78		0.200	0.0400	mg/L		04/30/25 15:49	1	ZRI4
Cadmium	<0.00390		0.0200	0.00390	mg/L		04/30/25 15:49	1	ZRI4
Chromium	0.0145	J	0.0200	0.00600	mg/L		04/30/25 15:49	1	ZRI4
Lead	<0.0370		0.100	0.0370	mg/L		04/30/25 15:49	1	ZRI4
Selenium	<0.0290		0.100	0.0290	mg/L		04/30/25 15:49	1	ZRI4
Silver	<0.0160		0.0500	0.0160	mg/L		04/30/25 15:49	1	ZRI4

Method: 6020B - Metals (ICP/MS) - SPLP West

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.0200		0.0400	0.0200	mg/L		04/30/25 17:14	4	NFT2
Arsenic	<0.0110		0.0400	0.0110	mg/L		04/30/25 17:14	4	NFT2
Barium	0.106	J B	0.200	0.0280	mg/L		05/01/25 15:23	4	NFT2
Beryllium	<0.00660		0.0200	0.00660	mg/L		04/30/25 17:14	4	NFT2
Cadmium	<0.00200		0.0100	0.00200	mg/L		04/30/25 17:14	4	NFT2
Chromium	<0.0360		0.100	0.0360	mg/L		04/30/25 17:14	4	NFT2
Copper	<0.0640		0.200	0.0640	mg/L		04/30/25 17:14	4	NFT2
Lead	<0.00660		0.0200	0.00660	mg/L		04/30/25 17:14	4	NFT2
Selenium	<0.0280		0.100	0.0280	mg/L		04/30/25 17:14	4	NFT2
Thallium	<0.0110		0.0200	0.0110	mg/L		04/30/25 17:14	4	NFT2

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	<0.00120		0.00200	0.00120	mg/L		05/01/25 09:45	1	F5MW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	<0.00120		0.00200	0.00120	mg/L		04/29/25 13:25	1	F5MW

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Percent Moisture (Moisture)	0.2		0.1	0.1	%		04/25/25 16:00	1	T5AC
Percent Solids (Moisture)	99.8		0.1	0.1	%		04/25/25 16:00	1	T5AC

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
pH (9045D)	10	HF	1.0	1.0	SU		04/25/25 17:31	1	T5AC

General Chemistry - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Fluoride (4500 F C-2011)	<0.0790		0.200	0.0790	mg/L		05/02/25 13:25	1	WZC8

Client Sample ID: Coal Slag

Lab Sample ID: 310-304993-1

Date Collected: 04/22/25 12:15

Matrix: Solid

Date Received: 04/24/25 14:45

Percent Solids: 99.8

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.385		0.855	0.385	mg/Kg	✱	05/01/25 14:41	5	NFT2
Arsenic	1.75		0.855	0.359	mg/Kg	✱	05/01/25 14:41	5	NFT2
Barium	4190		17.1	7.87	mg/Kg	✱	05/02/25 13:26	100	NFT2

Eurofins Cedar Falls

Client Sample Results

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Client Sample ID: Coal Slag

Lab Sample ID: 310-304993-1

Date Collected: 04/22/25 12:15

Matrix: Solid

Date Received: 04/24/25 14:45

Percent Solids: 99.8

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Beryllium	2.62		0.428	0.171	mg/Kg	✱	05/01/25 14:41	5	NFT2
Boron	262		42.8	36.8	mg/Kg	✱	05/01/25 14:41	5	NFT2
Cadmium	<0.162		0.428	0.162	mg/Kg	✱	05/01/25 14:41	5	NFT2
Chromium	48.0		1.28	0.445	mg/Kg	✱	05/01/25 14:41	5	NFT2
Cobalt	8.84		0.428	0.154	mg/Kg	✱	05/01/25 14:41	5	NFT2
Copper	27.0		1.28	0.684	mg/Kg	✱	05/01/25 14:41	5	NFT2
Lead	1.18	J	2.14	0.667	mg/Kg	✱	05/01/25 14:41	5	NFT2
Lithium	28.3		2.14	0.847	mg/Kg	✱	05/01/25 14:41	5	NFT2
Manganese	358		2.14	1.03	mg/Kg	✱	05/01/25 14:41	5	NFT2
Molybdenum	4.71		0.855	0.351	mg/Kg	✱	05/01/25 14:41	5	NFT2
Nickel	22.8		1.28	0.513	mg/Kg	✱	05/01/25 14:41	5	NFT2
Selenium	0.808	J	1.28	0.641	mg/Kg	✱	05/01/25 14:41	5	NFT2
Silver	<0.162		0.428	0.162	mg/Kg	✱	05/01/25 14:41	5	NFT2
Thallium	<0.162		0.428	0.162	mg/Kg	✱	05/01/25 14:41	5	NFT2
Vanadium	83.4		1.28	0.453	mg/Kg	✱	05/01/25 14:41	5	NFT2
Zinc	15.1		4.28	2.82	mg/Kg	✱	05/01/25 14:41	5	NFT2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	<0.00735		0.0179	0.00735	mg/Kg	✱	05/02/25 12:18	1	F5MW

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Fluoride (4500 F C-2011)	<0.470		0.960	0.470	mg/Kg	✱	05/02/25 14:19	1	WZC8

Client Sample ID: Steel Shot

Lab Sample ID: 310-304993-2

Date Collected: 04/22/25 12:20

Matrix: Solid

Date Received: 04/24/25 14:45

Method: 6010D - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Arsenic	<0.0600		0.200	0.0600	mg/L		04/30/25 16:08	2	ZRI4
Barium	3.30		0.400	0.0800	mg/L		04/30/25 16:08	2	ZRI4
Cadmium	<0.00780		0.0400	0.00780	mg/L		04/30/25 16:08	2	ZRI4
Chromium	<0.0120		0.0400	0.0120	mg/L		04/30/25 16:08	2	ZRI4
Lead	<0.0740		0.200	0.0740	mg/L		04/30/25 16:08	2	ZRI4
Selenium	<0.0580		0.200	0.0580	mg/L		04/30/25 16:08	2	ZRI4
Silver	<0.0320		0.100	0.0320	mg/L		04/30/25 16:08	2	ZRI4

Method: 6020B - Metals (ICP/MS) - SPLP West

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	<0.0200		0.0400	0.0200	mg/L		04/30/25 17:16	4	NFT2
Arsenic	<0.0110		0.0400	0.0110	mg/L		04/30/25 17:16	4	NFT2
Barium	1.09	B	0.200	0.0280	mg/L		05/01/25 15:26	4	NFT2
Beryllium	<0.00660		0.0200	0.00660	mg/L		04/30/25 17:16	4	NFT2
Cadmium	<0.00200		0.0100	0.00200	mg/L		04/30/25 17:16	4	NFT2
Chromium	<0.0360		0.100	0.0360	mg/L		04/30/25 17:16	4	NFT2
Copper	<0.0640		0.200	0.0640	mg/L		04/30/25 17:16	4	NFT2
Lead	<0.00660		0.0200	0.00660	mg/L		04/30/25 17:16	4	NFT2
Selenium	<0.0280		0.100	0.0280	mg/L		04/30/25 17:16	4	NFT2
Thallium	<0.0110		0.0200	0.0110	mg/L		04/30/25 17:16	4	NFT2

Eurofins Cedar Falls

Client Sample Results

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Client Sample ID: Steel Shot

Date Collected: 04/22/25 12:20

Date Received: 04/24/25 14:45

Lab Sample ID: 310-304993-2

Matrix: Solid

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	<0.00120		0.00200	0.00120	mg/L		05/01/25 09:52	1	F5MW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	<0.00120		0.00200	0.00120	mg/L		04/29/25 13:32	1	F5MW

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
Chromium, trivalent (7196A)	320		1.00	1.00	mg/Kg		05/05/25 15:24	1	HE7K
Percent Moisture (Moisture)	1.2		0.1	0.1	%		04/25/25 16:00	1	T5AC
Percent Solids (Moisture)	98.8		0.1	0.1	%		04/25/25 16:00	1	T5AC

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Analyzed	Dil Fac	Analyst
pH (9045D)	8.3	HF	1.0	1.0	SU		04/25/25 17:32	1	T5AC

General Chemistry - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Fluoride (4500 F C-2011)	0.560		0.200	0.0790	mg/L		05/02/25 13:28	1	WZC8

Client Sample ID: Steel Shot

Date Collected: 04/22/25 12:20

Date Received: 04/24/25 14:45

Lab Sample ID: 310-304993-2

Matrix: Solid

Percent Solids: 98.8

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Antimony	2.13		0.858	0.386	mg/Kg	✱	05/01/25 14:43	5	NFT2
Arsenic	5.85		0.858	0.360	mg/Kg	✱	05/01/25 14:43	5	NFT2
Barium	5360		17.2	7.89	mg/Kg	✱	05/02/25 13:29	100	NFT2
Beryllium	0.295	J	0.429	0.172	mg/Kg	✱	05/01/25 14:43	5	NFT2
Boron	73.1		42.9	36.9	mg/Kg	✱	05/01/25 14:43	5	NFT2
Cadmium	0.286	J	0.429	0.163	mg/Kg	✱	05/01/25 14:43	5	NFT2
Chromium	320		1.29	0.446	mg/Kg	✱	05/01/25 14:43	5	NFT2
Cobalt	16.6		8.58	3.09	mg/Kg	✱	05/02/25 13:29	100	NFT2
Copper	284		1.29	0.687	mg/Kg	✱	05/01/25 14:43	5	NFT2
Lead	5.97		2.15	0.669	mg/Kg	✱	05/01/25 14:43	5	NFT2
Lithium	6.23		2.15	0.850	mg/Kg	✱	05/01/25 14:43	5	NFT2
Manganese	1900		2.15	1.03	mg/Kg	✱	05/01/25 14:43	5	NFT2
Molybdenum	81.0		0.858	0.352	mg/Kg	✱	05/01/25 14:43	5	NFT2
Nickel	134		1.29	0.515	mg/Kg	✱	05/01/25 14:43	5	NFT2
Selenium	<0.644		1.29	0.644	mg/Kg	✱	05/01/25 14:43	5	NFT2
Silver	<0.163		0.429	0.163	mg/Kg	✱	05/01/25 14:43	5	NFT2
Thallium	<0.163		0.429	0.163	mg/Kg	✱	05/01/25 14:43	5	NFT2
Vanadium	43.4		25.7	9.10	mg/Kg	✱	05/02/25 13:29	100	NFT2
Zinc	927		85.8	56.6	mg/Kg	✱	05/02/25 13:29	100	NFT2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Mercury	0.0106	J	0.0195	0.00799	mg/Kg	✱	05/02/25 12:24	1	F5MW

Eurofins Cedar Falls

Client Sample Results

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Client Sample ID: Steel Shot

Date Collected: 04/22/25 12:20

Date Received: 04/24/25 14:45

Lab Sample ID: 310-304993-2

Matrix: Solid

Percent Solids: 98.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Chromium, hexavalent (7196A)	0.752	J	2.07	0.689	mg/Kg	☼	05/05/25 20:04	5	UDS7

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Fluoride (4500 F C-2011)	1.55		0.996	0.488	mg/Kg	☼	05/02/25 14:22	1	WZC8

Accreditation/Certification and Definitions Summary

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

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
Iowa	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 Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-25
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *

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

Eurofins Cedar Falls

Accreditation/Certification and Definitions Summary

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Oklahoma	NELAP	9804	08-31-25
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-25 *
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-25
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-25
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.
α	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

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

Eurofins Cedar Falls

Accreditation/Certification and Definitions Summary

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
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

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

Eurofins Cedar Falls

Method Summary

Client: Transco Railway Products
Project/Site: Beneficial Use-Coal Slag and Steel Shot

Job ID: 310-304993-1

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
7196A	Chromium, Hexavalent	SW846	ELLE
9045D	pH	SW846	EET CF
Moisture	Percent Moisture	EPA	EET CF
1311	TCLP Extraction	SW846	EET CF
1312	SPLP Extraction	SW846	EET CF
3010A	Preparation, Total Metals	SW846	EET CF
3050B	Preparation, Metals	SW846	EET CF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
7470A	Preparation, Mercury	SW846	EET CF
7471B	Preparation, Mercury	SW846	EET CF
DI Leach	Deionized Water Leaching Procedure	ASTM	EET CF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

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

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300



Environment Testing
America



Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>transco</u>			
City/State: <u>Orwein</u>	<u>CA</u>	Project:	
Receipt Information			
Date/Time Received: <u>4/24/25</u>	<u>1445</u>	Received By: <u>XB</u>	
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☒ Lab Courier ☐ Lab Field Services ☐ Client Drop-off ☐ Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler? ☒ Yes ☐ No		If yes: Cooler ID: _____	
Multiple Coolers? ☐ Yes ☒ No		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: <u>2</u>		Correction Factor (°C): <u>0</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>18.4</u>		Corrected Temp (°C): <u>18.4</u>	
• Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u> <u>B202 clear glass</u>	<u>CONTAINER 2</u> <u>7</u>	
Uncorrected Temp (°C):	<u>17.8</u>	<u>17.9</u>	
Corrected Temp (°C):	<u>17.8</u>	<u>17.9</u>	
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?) ☐ Yes ☐ No			
NOTE If yes, contact PM before proceeding If no, proceed with login			
Additional Comments			

[illegible]

Chain of Custody Record

[illegible]