August Mack
ENVIRONMENTAL

216.341.1800 ▪ augustmack.com
4401 Rockside Road, Suite 300 ▪ Independence, Ohio 44131

March 10, 2025

Christopher Biro
Ohio Environmental Protection Agency
Northeast District Office
2110 East Aurora Road
Twinsburg, Ohio 44087

Re: Monthly Progress Report – February 2025
Material Sciences Corporation
460 W Main Street
Canfield, Ohio 44406
OHD000810283
August Mack Project Number: JY2380.372

Dear Mr. Biro,

On behalf of Material Sciences Corporation, August Mack Environmental, Inc. (August Mack) is submitting the attached Monthly Progress Report. This submittal was prepared in accordance with the Director's Final Findings and Orders, which were effective on December 31, 2024. This submittal includes information regarding Site activities in February 2025.

Should you have any questions or need any additional information, please do not hesitate to contact us,

Sincerely,

Brandon C. Lewis, CP, CHMM
Regional Director, Ohio Offices

Bryant Hoffer, CHMM, LPG
Senior Manager, Geologist

February 2025
MONTHLY PROGRESS REPORT
Material Sciences Corporation
460 W Main Street
Canfield, Ohio 44406

Submitted To: Christopher Biro, Environmental Specialist – Ohio EPA
Prepared By: August Mack Environmental, Inc.
On Behalf of: Material Sciences Corporation
Reporting Period: February 1, 2025 through February 28, 2025.

1. Describe the status of the Work and actions taken toward achieving compliance with the Orders during the reporting period.
   a. Two (2) additional 21,000-gallon storage tanks delivered to the Site on February 16, 2025.
   b. Twelve (12) storage tanks (P6013, BT-622032, 519C, P6014, BT-617005, 510D, P6006, BT-623050, BT-623045, P6017, BT-623035, 577F) were sampled for waste characterization.
   c. The Trichloroethene (TCE) Interim Measure Workplan was executed which included:
      i. Collection of five soil gas samples and five groundwater samples from the adjacent bike path.
      ii. Collection of three groundwater samples, six soil gas samples, two subslab gas samples, and one outdoor air sample from the High School property.
      iii. Collection of six soil gas samples from the MSC property.
   d. Installation of wattles around road built near the surface water feature.
   e. Completion of clearing brush from around the surface water feature and fence installation.
   f. Attended Canfield town hall meeting to discuss progress with the Ohio EPA, local health department, city council, public leaders and residents.
   g. Completed an additional round of calls to attempt to make contact for access agreements.
   h. Approximately 6,000 gallons of wastewater were treated on-site and discharged to Publicly Owned Treatment Works (POTW).
   i. Mitigation efforts relating to minor breach of the Line of Compliance (LOC) dam resulting from heavy rain and equipment failure during the reporting period were performed (including ice removal, wattle installation, and water removal from the wetland).

j. Conducted daily site walks to determine if new surface expressions of brown fluid were present.
k. Approximately 81,000 gallons of wastewater were picked up and disposed of by Heritage Environmental Services.
l. 1,000 feet of the interim measures ditch liner has been installed.
    i. Work will continue into the next reporting period.
    ii. Planning in progress for final sump installation and conveyance piping.
m. Twenty (20) roll-off containers of soil derived waste were picked up and disposed of at Heritage Environmental Services in Indianapolis, Indiana during this reporting period.

2. Describe difficulties encountered during the reporting period and actions taken to rectify any difficulties.
    a. Stormwater runoff breached the LOC dam during a heavy rainfall event (approximately one inch of rain) on February 16th. The breach was discussed with Ohio EPA; per their requests, all discolored ice was removed, additional wattles were added to the area, and approximately 500 gallons of fluid was removed from the wetland and containerized between February 20th and February 22nd.
3. Describe activities planned for next month.
    a. Continued disposal of recovered water as needed to manage on-Site storage capacity.
    b. Continued pick up and disposal of soil wastes from Interim Measure implementation and Site investigation activities at Heritage Environmental Services in Indianapolis, Indiana.
    c. Continued on-site treatment and laboratory confirmation sampling of wastewater to be discharged via the POTW.
    d. Continued analysis of data collected during the TCE Interim Measures investigation.
    e. Continued implementation of the ditch liner interim measure, including regular inspections in accordance with the Orders and installation of sumps, dam, and conveyance piping.
    f. Storage tank sampling, as needed, for waste characterization.
    g. On-going water recovery efforts will continue to ensure contaminated water does not flow past the LOC.
    h. On-going Site walks to identify new surface expressions of brown fluid.
    i. Secondary containment fluid management will continue, as needed, to ensure no releases if leaks occur.

4. Identify changes in key Personnel.
   a. No changes in personnel during this reporting period.
5. List target and actual completion dates for each element of activity, including project completion.
   a. Initial Site Investigation (ISI)
      i. ISI conducted beginning in October 2024.
      ii. ISI Report submitted to Ohio EPA on December 12, 2024.
   b. Ditch Interim Measure
      i. Plan Submitted to Ohio EPA on October 7, 2024.
      ii. Interim Measure anticipated completion (including subsurface conveyance infrastructure) - end of March 2025.
   c. Vapor Intrusion
      i. Indoor Air Sampling in facility building on December 13, 2024.
         1. Results were shared with Ohio EPA during a reoccurring weekly meeting upon receipt. The data was formally submitted to Ohio EPA on February 10, 2025.
      ii. TCE Interim Measures Workplan submitted to the Ohio EPA on January 14, 2025.
         1. Sampling was completed this reporting period.
         2. The TCE Interim Measures Implementation Report is expected to be submitted by the end of March 2025.
   d. Water Treatment
      i. Water treatment pilot testing was completed in December 2024.
      ii. A Permit to Install (PTI) was submitted January 22, 2025.
         1. A revised PTI was submitted January 27, 2025.
         2. Ohio EPA approved the PTI on January 29, 2025.
   e. Tributary to Sawmill Creek
      i. Continue public engagement with residents along the Tributary to Sawmill Creek to establish access agreements for additional sampling and fencing. Five (5) of 17 executed access agreements have been received to date.
   f. Corrective Action Framework (CAF)
      i. Initial CAF Meeting held January 29, 2025.
6. Provide an explanation for any deviation from any applicable schedule.
   a. There have been no deviations from the project schedule during this reporting period.
7. Indicate how much contaminated soil was removed and contaminated ground water was pumped and indicate where such contaminated media were disposed.

a. Approximately 81,000 gallons of wastewater were picked up and disposed of by Heritage Environmental Services.
b. Approximately 6,000 gallons of wastewater was treated on-Site and discharged to the POTW. The lab report for this discharged water is attached to this document.
c. Twenty (20) roll-off containers of soil waste were picked up and disposed of at Heritage Environmental Services in Indianapolis, Indiana during this reporting period.

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1 2 3 4 5 6 7 8 9 10 11 12 13

ANALYTICAL REPORT

PREPARED FOR

Attn: Kain Lager-Lowe
August Mack Environmental, Inc.
7830 North Central Drive, Suite B
Lewis Center, Ohio 43035

Generated 2/14/2025 10:20:46 AM Revision 1

JOB DESCRIPTION

MSC Canfield

JOB NUMBER

240-218472-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

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Authorized for release by
Nicole Kalis, Project Manager I
Nicole.Kalis@et.eurofinsus.com
(330)497-9396

Table of Contents

Definitions/Glossary

Client: August Mack Environmental, Inc. Job ID: 240-218472-1
Project/Site: MSC Canfield

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
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
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

Job Narrative
240-218472-1

REVISION

The report being provided is a revision of the original report sent on 2/10/2025. The report (revision 1) is being revised due to Client requested a reanalysis of their cyanide as our result did not match their field result. The reanalysis result will be reported in this report revision..

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

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

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

Receipt
The sample was received on 2/4/2025 3:18 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

Receipt Exceptions
The Chain-of-Custody (COC) was improperly completed. The sample ID should be "WT-BT623040-20250204".

Metals
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.

Method Summary

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
1664B	HEM and SGT-HEM	1664B	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
Kelada 01	Cyanide, Total, Acid Dissociable and Thiocyanate	EPA	EET CLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE

Protocol References:

1664B = EPA-821-98-002

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 CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-218472-1	WT-BT623040-20250204	Water	02/04/25 13:20	02/04/25 15:18

Detection Summary

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Client Sample ID: WT-BT623040-20250204

Lab Sample ID: 240-218472-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.87	J	10	0.76	ug/L	1		6010D	Total Recoverable
Copper	56		25	3.5	ug/L	1		6010D	Total Recoverable
Nickel	35	J	40	2.2	ug/L	1		6010D	Total Recoverable
Zinc	190		50	23	ug/L	1		6010D	Total Recoverable
HEM (Oil & Grease)	1.8	J	5.0	1.0	mg/L	1		1664B	Total/NA
Total Suspended Solids	4.1		4.0	0.40	mg/L	1		2540D-2020	Total/NA
Cyanide, Total	0.52		0.50	0.28	mg/L	100		Kelada 01	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Client Sample ID: WT-BT623040-20250204

Lab Sample ID: 240-218472-1

Date Collected: 02/04/25 13:20

Matrix: Water

Date Received: 02/04/25 15:18

Method: SW846 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		02/05/25 14:00	02/06/25 15:39	1
Cadmium	ND		5.0	0.45	ug/L		02/05/25 14:00	02/06/25 15:39	1
Chromium	**0.87**	**J**	10	0.76	ug/L		02/05/25 14:00	02/06/25 15:39	1
Copper	**56**		25	3.5	ug/L		02/05/25 14:00	02/06/25 15:39	1
Lead	ND		10	2.8	ug/L		02/05/25 14:00	02/06/25 15:39	1
Nickel	**35**	**J**	40	2.2	ug/L		02/05/25 14:00	02/06/25 15:39	1
Silver	ND		10	1.4	ug/L		02/05/25 14:00	02/06/25 15:39	1
Zinc	**190**		50	23	ug/L		02/05/25 14:00	02/06/25 15:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		02/05/25 14:00	02/06/25 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease) (1664B)	**1.8**	**J**	5.0	1.0	mg/L			02/10/25 10:07	1
Total Suspended Solids (SM 2540D-2020)	**4.1**		4.0	0.40	mg/L			02/05/25 10:14	1
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			02/04/25 16:18	1
Cyanide, Total (EPA Kelada 01)	**0.52**		0.50	0.28	mg/L			02/13/25 16:27	100

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-643724/1-A
Matrix: Water
Analysis Batch: 643898

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 643724

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		02/05/25 14:00	02/06/25 14:27	1
Cadmium	ND		5.0	0.45	ug/L		02/05/25 14:00	02/06/25 14:27	1
Chromium	ND		10	0.76	ug/L		02/05/25 14:00	02/06/25 14:27	1
Copper	ND		25	3.5	ug/L		02/05/25 14:00	02/06/25 14:27	1
Lead	ND		10	2.8	ug/L		02/05/25 14:00	02/06/25 14:27	1
Nickel	ND		40	2.2	ug/L		02/05/25 14:00	02/06/25 14:27	1
Silver	ND		10	1.4	ug/L		02/05/25 14:00	02/06/25 14:27	1
Zinc	ND		50	23	ug/L		02/05/25 14:00	02/06/25 14:27	1

Lab Sample ID: LCS 240-643724/2-A
Matrix: Water
Analysis Batch: 643898

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 643724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2000	2000		ug/L		100	80 - 120
Barium	2000	1880		ug/L		94	80 - 120
Cadmium	1000	954		ug/L		95	80 - 120
Chromium	1000	967		ug/L		97	80 - 120
Copper	1000	926		ug/L		93	80 - 120
Lead	1000	907		ug/L		91	80 - 120
Nickel	1000	953		ug/L		95	80 - 120
Selenium	2000	2030		ug/L		101	80 - 120
Silver	100	89.6		ug/L		90	80 - 120
Zinc	1000	1010		ug/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-643730/1-A
Matrix: Water
Analysis Batch: 643892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643730

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		02/05/25 14:00	02/06/25 09:52	1

Lab Sample ID: LCS 240-643730/2-A
Matrix: Water
Analysis Batch: 643892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643730

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.72		ug/L		94	80 - 120

Method: 1664B - HEM and SGT-HEM

Lab Sample ID: MB 240-644147/1
Matrix: Water
Analysis Batch: 644147

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM (Oil & Grease)	ND		5.0	1.0	mg/L			02/10/25 10:07	1

Method: 1664B - HEM and SGT-HEM (Continued)

Lab Sample ID: LCS 240-644147/2
Matrix: Water
Analysis Batch: 644147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
HEM (Oil & Grease)	40.0	32.9		mg/L		82	78 - 114

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-643682/1
Matrix: Water
Analysis Batch: 643682

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	0.40	mg/L			02/05/25 10:14	1

Lab Sample ID: LCS 240-643682/2
Matrix: Water
Analysis Batch: 643682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	72.7	69.0		mg/L		95	64 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-643613/3
Matrix: Water
Analysis Batch: 643613

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.020	0.0070	mg/L			02/04/25 16:16	1

Lab Sample ID: LCS 240-643613/4
Matrix: Water
Analysis Batch: 643613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	0.250	0.236		mg/L		95	85 - 115

Lab Sample ID: 240-218472-1 MS
Matrix: Water
Analysis Batch: 643613

Client Sample ID: WT-BT623040-20250204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		0.250	0.244		mg/L		98	85 - 115

Lab Sample ID: 240-218472-1 MSD
Matrix: Water
Analysis Batch: 643613

Client Sample ID: WT-BT623040-20250204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		0.250	0.240		mg/L		96	85 - 115	2	20

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Method: Kelada 01 - Cyanide, Total, Acid Dissociable and Thiocyanate

Lab Sample ID: MB 240-644779/16
Matrix: Water
Analysis Batch: 644779

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.0050	0.0028	mg/L			02/13/25 14:11	1

Lab Sample ID: LCS 240-644779/18
Matrix: Water
Analysis Batch: 644779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.654	0.690		mg/L		106	90 - 110

Lab Sample ID: MRL 240-644779/17
Matrix: Water
Analysis Batch: 644779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.00500	0.00515		mg/L		103	70 - 130

QC Association Summary

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Metals

Prep Batch: 643724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total Recoverable	Water	3005A	
MB 240-643724/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-643724/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 643730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total/NA	Water	7470A	
MB 240-643730/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-643730/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 643892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total/NA	Water	7470A	643730
MB 240-643730/1-A	Method Blank	Total/NA	Water	7470A	643730
LCS 240-643730/2-A	Lab Control Sample	Total/NA	Water	7470A	643730

Analysis Batch: 643898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total Recoverable	Water	6010D	643724
MB 240-643724/1-A	Method Blank	Total Recoverable	Water	6010D	643724
LCS 240-643724/2-A	Lab Control Sample	Total Recoverable	Water	6010D	643724

General Chemistry

Analysis Batch: 643613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total/NA	Water	7196A	
MB 240-643613/3	Method Blank	Total/NA	Water	7196A	
LCS 240-643613/4	Lab Control Sample	Total/NA	Water	7196A	
240-218472-1 MS	WT-BT623040-20250204	Total/NA	Water	7196A	
240-218472-1 MSD	WT-BT623040-20250204	Total/NA	Water	7196A	

Analysis Batch: 643682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total/NA	Water	2540D-2020	
MB 240-643682/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-643682/2	Lab Control Sample	Total/NA	Water	2540D-2020	

Analysis Batch: 644147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total/NA	Water	1664B	
MB 240-644147/1	Method Blank	Total/NA	Water	1664B	
LCS 240-644147/2	Lab Control Sample	Total/NA	Water	1664B	

Analysis Batch: 644779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-218472-1	WT-BT623040-20250204	Total/NA	Water	Kelada 01	
MB 240-644779/16	Method Blank	Total/NA	Water	Kelada 01	
LCS 240-644779/18	Lab Control Sample	Total/NA	Water	Kelada 01	
MRL 240-644779/17	Lab Control Sample	Total/NA	Water	Kelada 01	

Lab Chronicle

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Client Sample ID: WT-BT623040-20250204

Date Collected: 02/04/25 13:20
Date Received: 02/04/25 15:18

Lab Sample ID: 240-218472-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			643724	MN7X	EET CLE	02/05/25 14:00
Total Recoverable	Analysis	6010D		1	643898	AJC	EET CLE	02/06/25 15:39
Total/NA	Prep	7470A			643730	MN7X	EET CLE	02/05/25 14:00
Total/NA	Analysis	7470A		1	643892	GEV	EET CLE	02/06/25 10:19
Total/NA	Analysis	1664B		1	644147	AAP	EET CLE	02/10/25 10:07
Total/NA	Analysis	2540D-2020		1	643682	C5SV	EET CLE	02/05/25 10:14
Total/NA	Analysis	7196A		1	643613	BLW	EET CLE	02/04/25 16:18
Total/NA	Analysis	Kelada 01		100	644779	VH6H	EET CLE	02/13/25 16:27

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: August Mack Environmental, Inc.
Project/Site: MSC Canfield

Job ID: 240-218472-1

Laboratory: Eurofins Cleveland

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

Chain of Custody Record

2.3/2.3

eurofins | Environment Testing

Client Information	Sampler: Jase Hixson	Lab PM: Kalis, Nicole A	Carrier Tracking No(s):	COC No: 240-124901-43556.12
Client Contact: Kain Lager-Lowe	Phone: 217-251-9094	E-Mail: Nicole.Kalis@et.eurofinsus.com	State of Origin:	Page: Page 12 of 12
Company: August Mack Environmental, Inc.	PWSID:			Job #:
Address: 7830 North Central Drive, Suite B	Due Date Requested:			
City: Lewis Center	TAT Requested (days): 3			
State, Zip: OH, 43035	Compliance Project: Δ Yes Δ No			
Phone: 740-548-1515(Tel)	PO #:			
Email: klagerlowe@augustmack.com, jhixson@augustmack.com	WO #:			
Project Name: MSC Canfield - Soil/Surface Water	Project #: DO NOT DELETE - 24033889			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
A - HCL
B - NaOH
D - HNO3
Other: H_2SO_4

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - VOCs	8270E - SVOCs TSS 2540D	8082A - PCBs O&G 5520B	9012B - Total Cyanid	~~1677 - Free Cyanide~~	6010D/7470A - Total RCRA 8, Cu & Zn	7196A - Total Hexavalent Chromium	~~6040D/3060A - Dissolved RCRA 8, Cu & Zn~~	~~7196A - Dissolved Hexavalent Chromium~~	6010D, 7470A	~~7198A - Dis. Hexavalent Chromium - Field Filter~~	~~1677 - Free Cyanide - Free~~		Total Number of containers	Special Instructions/Note:
Preservation Code:							A	N	N	B	B	D	N	D	N	D	N	B			
WT-BT623040-2425	2-4-25		G	Water				1	2	1		1	1								
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	
				Water																	

240-218472 COC

Possible Hazard Identification
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Return To Client Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2-4-25 / 14:10	AMK		2/4/25 1410	EVR
Relinquished by:	Date/Time: 2/4/25 1518	Company EVR	Received by: JCollins	Date/Time: 2/4/25 1518	Company EVR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client August Mack Site Name
Cooler Received on 2/14/25 Opened on 2/14/25
Cooler unpacked by: JMOROSKO
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other
Receipt After-hours Drop-off Date/Time Storage Location
Eurofins Cooler # EC Foam Box Client Cooler Box Other
Packing material used Bubble Wrap Foam Plastic Bag None Other
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 13 (CF +0.0 °C) Observed Cooler Temp. 2.3 °C Corrected Cooler Temp. 2.3 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity	Yes (No)	**Tests that are not checked for pH by Receiving:** VOAs, Oil and Grease, TOC
-Were the seals on the outside of the cooler(s) signed & dated?	Yes No (NA)	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	Yes No (NA)	
3 Shippers' packing slip attached to the cooler(s)?	Yes (No)	
4. Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes) No	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12. Are these work share samples and all listed on the COC?	Yes (No)	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	(Yes) No NA	pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes (No)	
15 Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes No (NA)	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes (No)	
17 Was a LL Hg or Me Hg trip blank present?	Yes (No)	

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

logged time per bottle (JW)

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen.

2/4/2025

Login Container Summary Report

240-218472

2/14/2025 (Rev. 1)

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
WT-BT623040-2425	240-218472-A-1	Plastic 250ml - with Sodium Hydroxide	>12			
WT-BT623040-2425	240-218472-B-1	Plastic 500ml - unpreserved				
WT-BT623040-2425	240-218472-C-1	Plastic 500ml - with Nitric Acid	<2			
WT-BT623040-2425	240-218472-D-1	Plastic 1 liter - unpreserved				
WT-BT623040-2425	240-218472-E-1	Amber Glass 1 liter - Sulfuric Acid				
WT-BT623040-2425	240-218472-F-1	Amber Glass 1 liter - Sulfuric Acid				