



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

February 24, 2025

Mr. Christopher Biro
Ohio Environmental Protection Agency
Northwest District Office
2110 East Aurora Road
Twinsburg, Ohio 44087

**Re: Groundwater and Vapor Intrusion Investigation Report
(November/December 2024)
Material Sciences Corporation
460 West Main Street
Canfield, Ohio
OHD000810283
August Mack Project Number JY2380.372**

Dear Mr. Biro:

August Mack Environmental, Inc. (August Mack), on behalf of Material Sciences Corporation (MSC), is submitting this Groundwater and Vapor Intrusion (VI) Investigation Report for the MSC facility located at 460 West Main Street, Canfield, Ohio (Site). This report includes pertinent Site background information, a description of recent field activities, sampling procedures, laboratory analytical results, and planned next steps.

BACKGROUND

The Site consists of approximately ten acres and includes a one-story approximately 84,000-square foot main industrial building (Building One) and a one-story approximate 6,000-square foot garage building (Building Two). A Site Vicinity Map is included as **Figure 1** and the approximate Site boundaries and features are depicted on **Figure 2**.

The Site is a metal galvanizing and coil coating facility and has been operating since the 1950s under various entities including Canfield Steel and Pittsburgh Steel. MSC acquired the facility in 2013 and has operated the Site since then. In July 2024, MSC conducted a cleaning of process lines and equipment during its regularly scheduled maintenance operations, which appeared to dislodge dark brown process water with a high pH that



contained cyanide and metals. The process water breached a previously abandoned drainage pipe and was released to the Adjacent Ditch located northeast of the facility along the Mill Creek Metro Park Bikeway. On July 11, 2024, the process water was visually observed in the ditch. The local fire department, MSC, and the Ohio Environmental Protection Agency (Ohio EPA) were subsequently notified of the discharge. Approximately 1,000 feet of the Adjacent Ditch was impacted by the process water.

MSC received a Notice of Violation (NOV) on October 11, 2024 for unlawful disposal of hazardous waste. The Director's Final Findings and Orders (DFFO) were established to address the NOV and future actions at the Site. The DFFO was effective on December 31, 2024, and the Site is currently undergoing Resource Conservation and Recovery Act (RCRA) Corrective Action (CA) through the RCRA FIRST pathway.

In response to the release, MSC contracted with various environmental service providers to assess, respond, contain and cleanup the released process water. Details associated with water collection efforts continue to be discussed with Ohio EPA weekly and submitted in monthly reports.

As part of the ongoing response, August Mack conducted environmental investigations on-Site, within the Adjacent Ditch, within the Surface Water Feature to the north of the property, and within Sawmill Creek Tributary. The work was performed in general accordance with the Ohio EPA approved Sampling and Analysis Plan (SAP) dated September 30, 2024. Details and results of the investigation were provided in the Initial Site Investigation Report (ISI) submitted to the Ohio EPA on December 12, 2024.

In accordance with the SAP and based on certain ISI results, the following tasks were conducted:

- Monitoring wells were sampled in November/December 2024
- Vapor intrusion investigation activities were conducted in the northern portion of Building One in December 2024.

Details and results are provided below.

GROUNDWATER SAMPLING ACTIVITIES

On November 11, 2024, groundwater elevation data was collected from the entire monitoring well network (MW-1 through MW-15) to assess the hydrogeologic conditions at the Site. August Mack performed a second gauging event on November 19, 2024. Groundwater elevation measurements were collected in accordance with the August Mack field procedures provided in **Attachment A**. Monitoring well information and gauging data are presented in **Table 1**. Calculated potentiometric surface contours from the November 11, 2024 and the November 19, 2024 gauging events are depicted on **Figure 3A** and **Figure 3B**, respectively. The overall groundwater flow direction during the gauging events was primarily to the north.

Groundwater samples were collected from the entire monitoring well network via low-flow sampling. Quality assurance/quality control (QA/QC) samples were collected at the minimum frequency described below:

- One duplicate sample per 10 samples
- One matrix spike/matrix spike duplicate (MS/MSD) sample per 20 samples
- One trip blank per cooler per day
- One equipment blank (EB) and one rinse blank (RB) per event.

Low-flow sampling was conducted in accordance with August Mack field procedures included in **Attachment A**. Purge records are included in **Attachment B**. Groundwater samples were submitted to Eurofins Environment Testing (Eurofins) in Barberton, Ohio and analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) via United States Environmental Protection Agency (U.S. EPA) Method 8260;
- Semi-Volatile Organic Compounds (SVOCs) via U.S. EPA Method 8270;
- Polychlorinated Biphenyls (PCBs) via U.S. EPA Method 8082;
- Total and dissolved (field filtered) RCRA 8 metals, Copper, and Zinc via U.S. EPA Methods 6010 and 7470;
- Hexavalent chromium via U.S. EPA Method 7196; and
- Total and free cyanide via U.S. EPA Methods 9012 and OIA-1677.

VAPOR INTRUSION SAMPLING

A VI investigation was conducted in Building One in December 2024 to evaluate potential VI exposure risks near areas with elevated trichloroethene (TCE) concentrations in groundwater. Prior to the sampling activities, August Mack attempted to install sub-slab soil gas (SGss) vapor ports in the northern portion of Building One. However, the installation of the SGss vapor ports was unsuccessful due to excessively thick concrete, in which more than 16-inches of concrete was encountered in three different locations.

August Mack performed indoor air (IA) sampling activities on December 13, 2024. Prior to conducting sampling, August Mack personnel conducted a pre-sampling walkthrough to document building characteristics and potential indoor contaminant sources. A copy of the completed Vapor Intrusion Building Survey is provided in **Attachment C**.

IA samples IA-1 and IA-5 were collected from the northern portion of Building One. The IA samples were collected over an 8-hour period in 6-liter stainless-steel canisters affixed with laboratory-supplied regulators. An OA sample was also collected over the same time period, upwind of the sample Site. The samples were collected in accordance with August Mack field procedures provided in **Attachment A**.

Canisters were submitted along with chain of custody documentation to Eurofins for laboratory analysis of chlorinated volatile organic compounds (cVOCs) via U.S. EPA Method TO-15. The IA and OA sample locations are depicted on **Figure 2**. A summary of field sampling data is provided as **Attachment C**.

GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical results are presented in **Table 2** and are compared to Groundwater Protection Standards¹ (GWPS).

During the November/December 2024 groundwater sampling event laboratory analytical results reported the following results above GWPS:

- VOCs
 - TCE in MW-4, MW-5, MW-12, and MW-15
- SVOCs
 - Naphthalene in MW-5

¹ U.S. EPA Maximum Contaminant Levels, if available, or current U.S. EPA Residential Tapwater Regional Screening Levels assuming Target Cancer Risk 1.0×10^{-6} and Hazard Quotient 0.1.

- Cyanide
 - Free Cyanide in MW-3
- Metals
 - Total and dissolved arsenic in MW-1, MW-2, MW-3, MW-4, MW-6, MW-9, MW-10, MW-11, and MW-15
 - Total and dissolved lead in MW-2

There is no evidence that arsenic has ever been used at the Site and is a common element routinely identified during environmental investigations in Ohio. As such, arsenic is believed to be naturally occurring and attributable to background levels.

No other Contaminants of Potential Concern (COPCs) were detected above GWPS. A summary of the monitoring well groundwater analytical results are presented in **Table 2** and depicted on **Figure 4**. The lateral extent of TCE contamination in groundwater is depicted on **Figure 5**. Laboratory analytical reports are provided as **Attachment D**.

VAPOR INTRUSION ANALYTICAL RESULTS

IA and OA analytical results were compared to the U.S. EPA Industrial Vapor Intrusion Screening Levels (VISLs). All IA and OA results were below laboratory reporting limits. IA and OA analytical results are summarized in **Table 3** and depicted on **Figure 6**. The laboratory analytical report is provided as **Attachment D**.

SUMMARY AND CONCLUSIONS

August Mack has undertaken groundwater and indoor air investigation activities at the Site. TCE, naphthalene, free cyanide, dissolved arsenic, and dissolved lead were above GWPS in groundwater beneath the Site. It is August Mack's understanding that Arsenic was never used at the Site and is believed to be naturally occurring. Five IA samples were collected from the northern portion of Building One to evaluate VI risks due to TCE in groundwater beneath this portion of the building. All IA samples were below laboratory reporting limits.

As outlined in the *TCE Interim Measure Plan* submitted to the Ohio EPA on January 14, 2025, August Mack is conducting additional groundwater and VI investigation activities on-Site and on the adjacent Canfield High School property to address potential data gaps associated with TCE in groundwater and soil gas at the MSC Site. Details of the planned

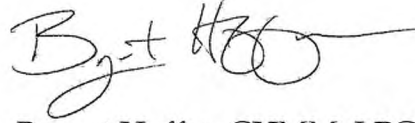
investigation were provided in the *TCE Interim Measures Plan*. Results of that additional investigation will be provided to Ohio EPA under separate cover.

Please feel free to contact us if you have any questions or comments.

Sincerely,



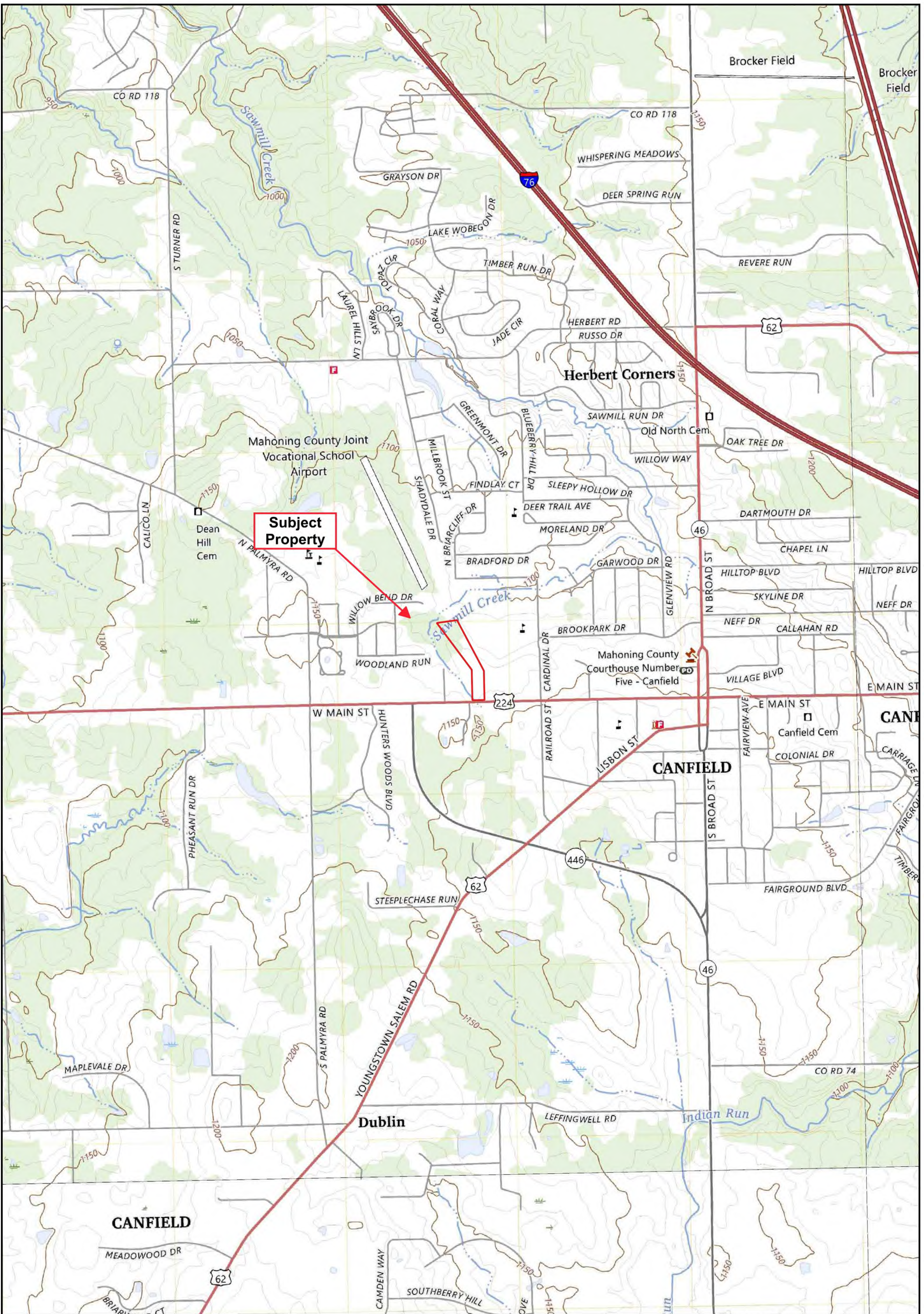
Brandon C. Lewis, CP, CHMM
Regional Director, Ohio Offices



Bryant Hoffer, CHMM, LPG
Senior Manager, Geologist

FIGURES

- Figure 1: Site Vicinity Map
- Figure 2: Site Plan
- Figure 3A: Potentiometric Surface Map (November 11, 2024)
- Figure 3A: Potentiometric Surface Map (November 19, 2024)
- Figure 4: Groundwater Analytical Results Map
- Figure 5: TCE Impacts in Groundwater Extent Map
- Figure 6: Indoor and Outdoor Air Analytical Results Map

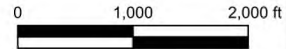


Subject Property

**Material Sciences Corporation
Canfield**

Site Vicinity Map

460 West Main Street
Canfield, Ohio 44406

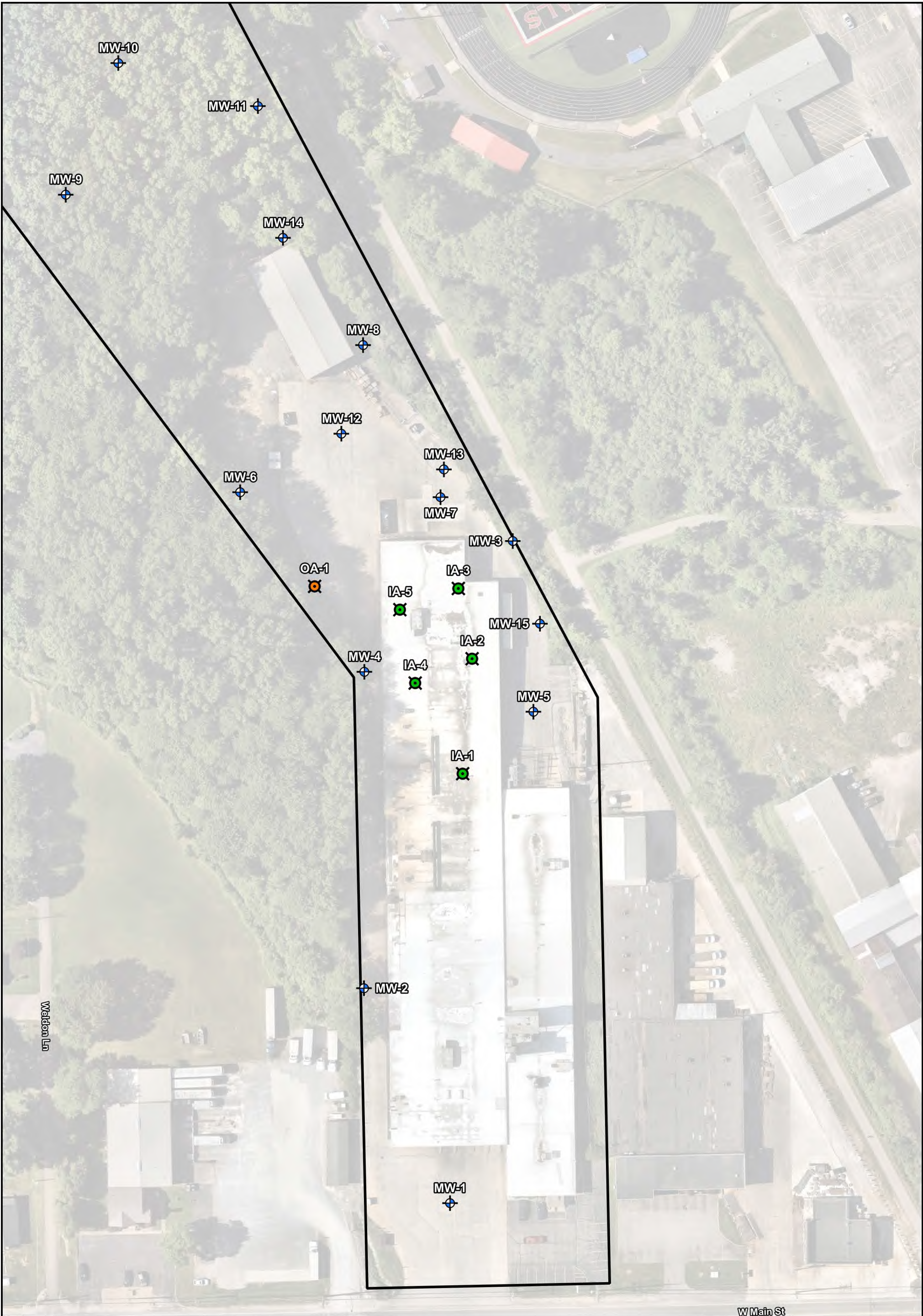






4401 Rockside Road, Suite 300
Independence, Ohio 44131 (330) 576-3229



PROJECT NO.: JY2380.372	DATE: 01/15/2025
FIGURE: 1	SCALE: 1:20,000
	CREATED BY: CC

2023
USGS Topographic Maps
24K Canfield, Columbiana,
Salem, & Youngstown, OH

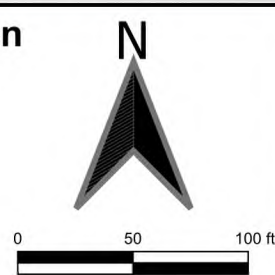



-  Subject Property
-  Monitoring Well
-  Indoor Air Sample
-  Outdoor Air Sample

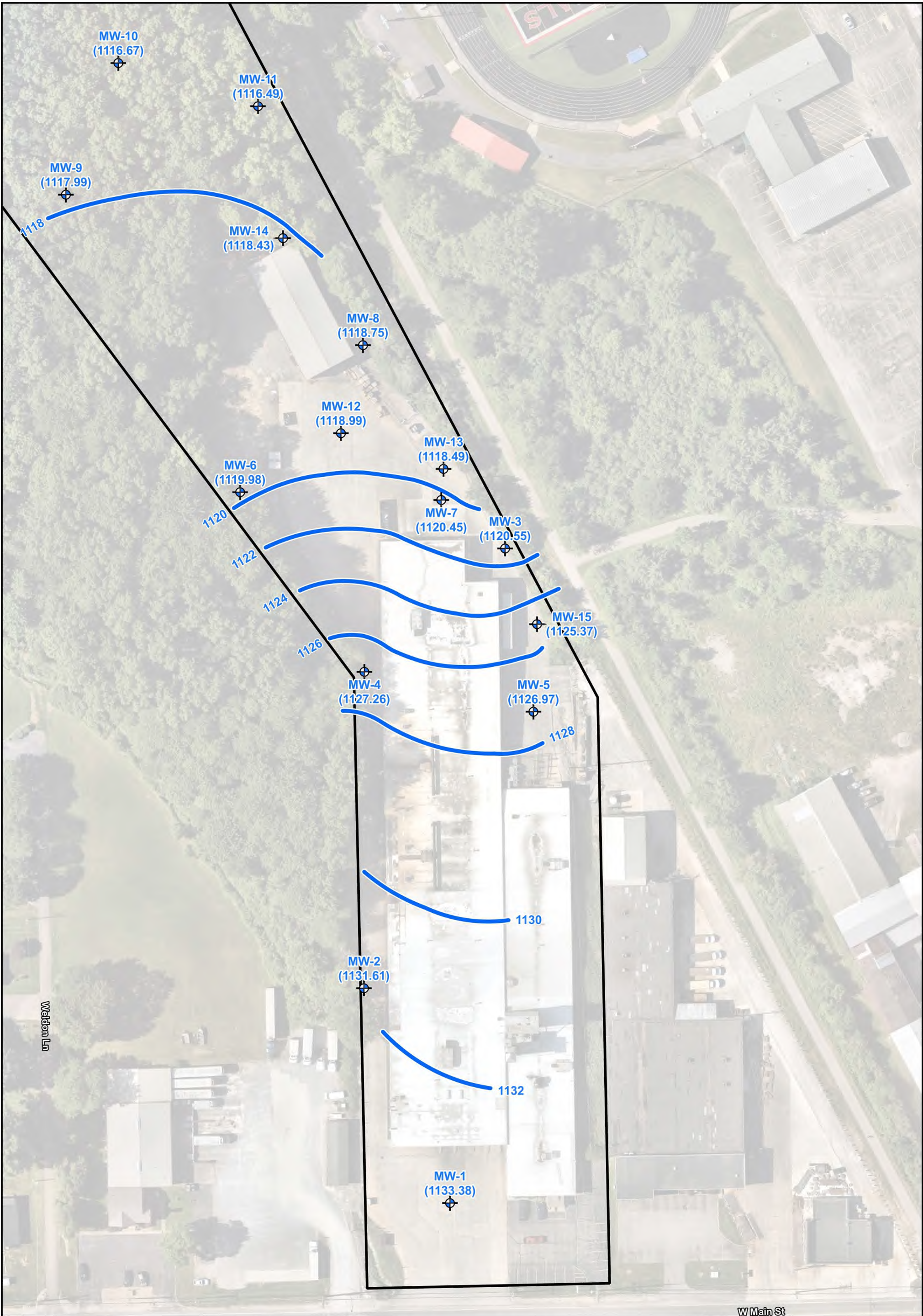
Nearmap Aerial Imagery:
June 15, 2024

**Material Sciences Corporation
Canfield
Site Plan**

460 West Main Street
Canfield, Ohio 44406



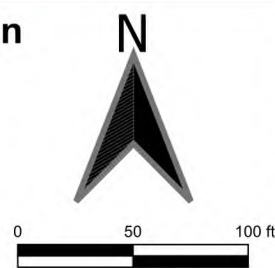
W Main St 4401 Rockside Road, Suite 300 Independence, Ohio 44131 		(330) 576-3229
PROJECT NO.: JY2380.372	DATE: 01/27/2025	
FIGURE: 2	SCALE: 1:1,000	
	CREATED BY: CC	



Subject Property (1133.38) Groundwater Elevation (ft/MSL)
 Monitoring Well Groundwater Contours

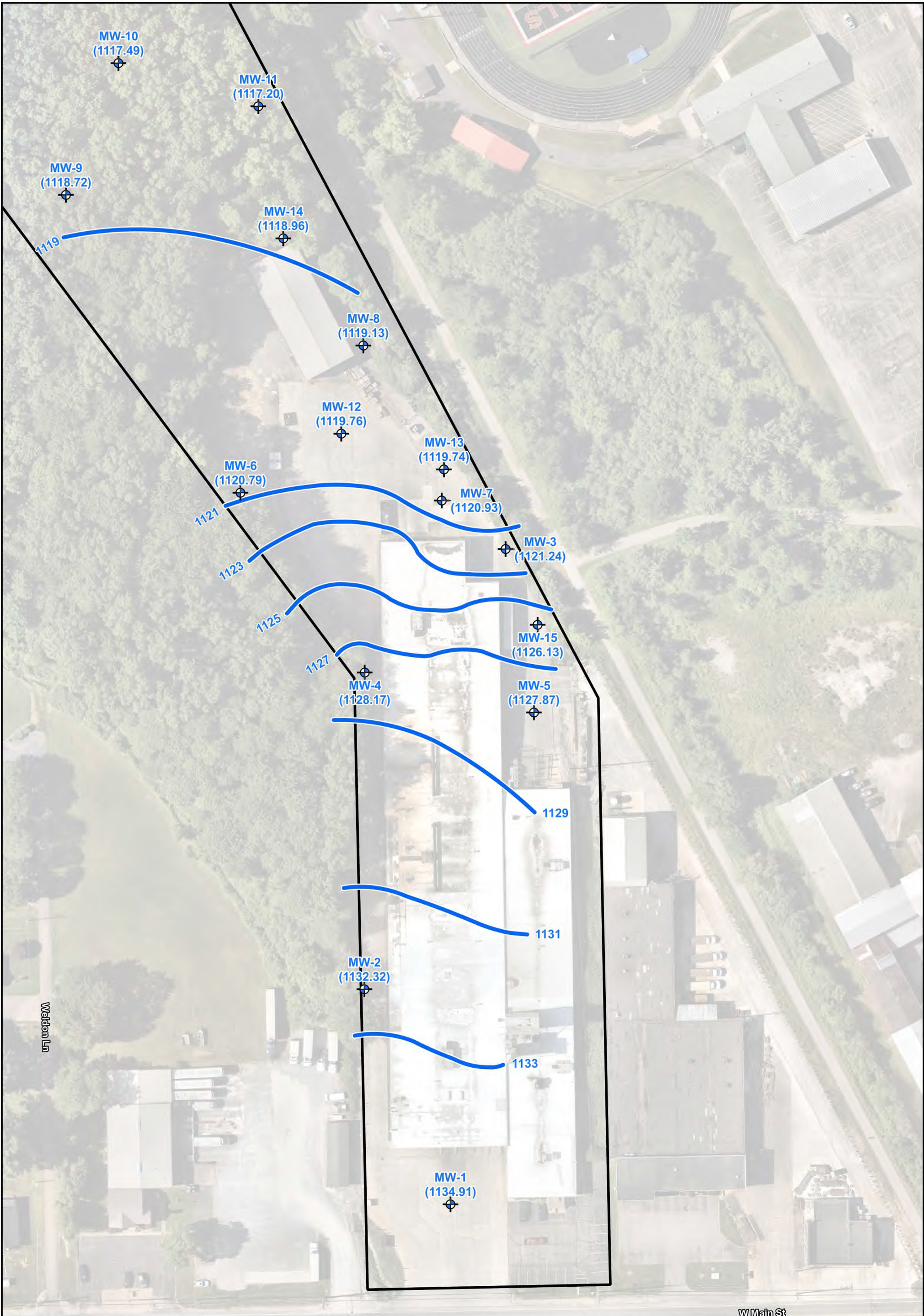
Material Sciences Corporation
Canfield
Potentiometric Surface Map
November 11, 2024

460 West Main Street
 Canfield, Ohio 44406



W Main St 4401 Rockside Road, Suite 300 Independence, Ohio 44131 (330) 576-3229	
PROJECT NO.: JY2380.372	DATE: 02/11/2025
FIGURE: 3A	SCALE: 1:1,000
	CREATED BY: CC

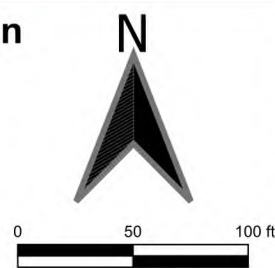
Nearmap Aerial Imagery:
June 15, 2024



Subject Property (1133.38) Groundwater Elevation (ft/MSL)
 Monitoring Well Groundwater Contours

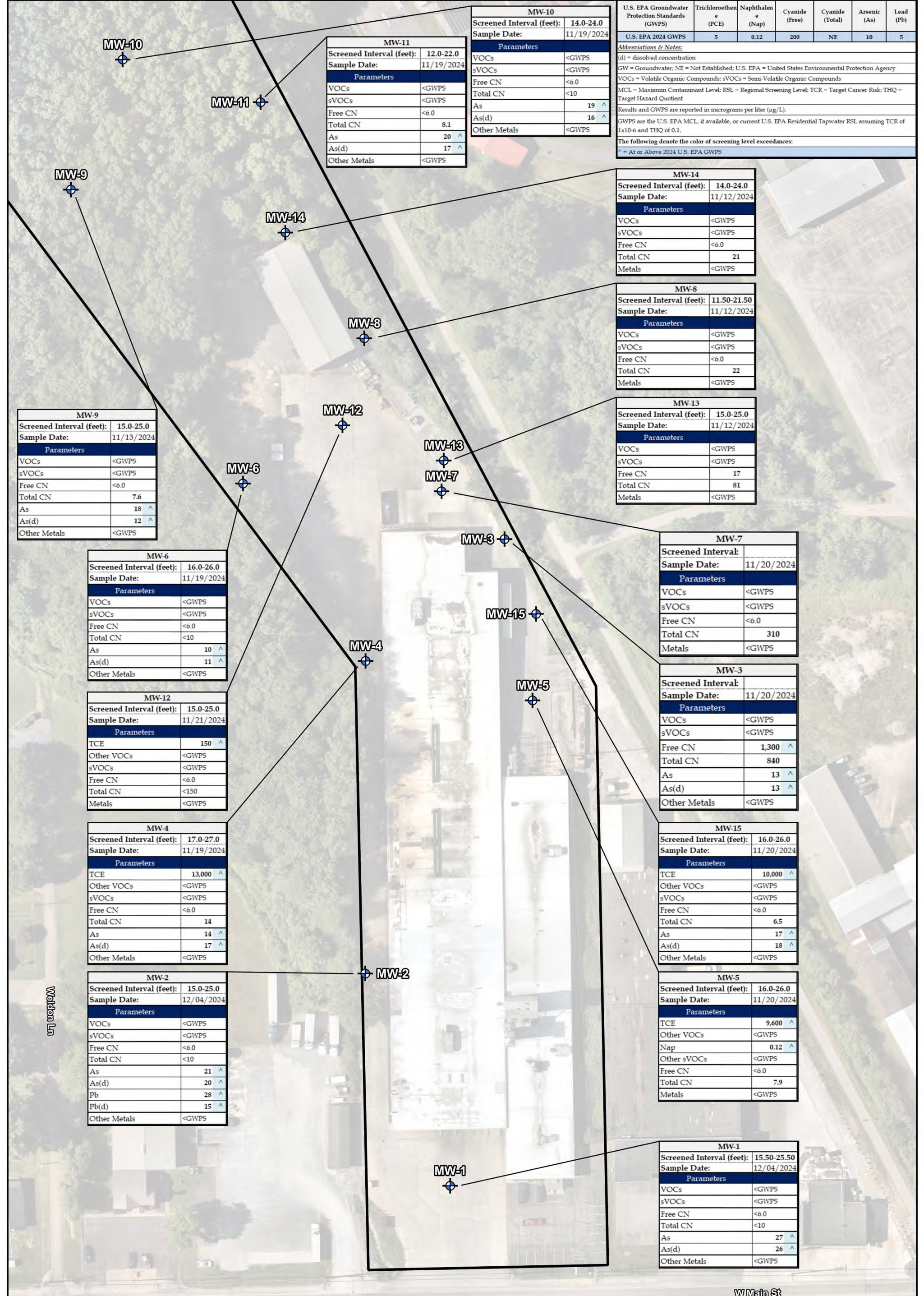
Material Sciences Corporation
Canfield
Potentiometric Surface Map
November 19, 2024

460 West Main Street
Canfield, Ohio 44406



W Main St 4401 Rockside Road, Suite 300 Independence, Ohio 44131 (330) 576-3229	
PROJECT NO.: JY2380.372	DATE: 02/11/2025
FIGURE: 3B	SCALE: 1:1,000
	CREATED BY: CC

Nearmap Aerial Imagery:
June 15, 2024



U.S. EPA Groundwater Protection Standards (GWPS)	Trichloroethylene (PCE)	Naphthalene (Nap)	Cyanide (Free)	Cyanide (Total)	Arsenic (As)	Lead (Pb)
U.S. EPA 2024 GWPS	5	0.12	200	NE	10	5

Abbreviations & Notes:
 (d) = dissolved concentration
 GW = Groundwater; NE = Not Established; U.S. EPA = United States Environmental Protection Agency
 VOCs = Volatile Organic Compounds; sVOCs = Semi-Volatile Organic Compounds
 MCL = Maximum Contaminant Level; RSL = Regional Screening Level; TCR = Target Cancer Risk; THQ = Target Hazard Quotient
 Results and GWPS are reported in micrograms per liter (µg/L).
 GWPS are the U.S. EPA MCL, if available, or current U.S. EPA Residential Tapwater RSL assuming TCR of 1x10⁻⁶ and THQ of 0.1.
 The following denote the color of screening level exceedances:
 ^ = At or Above 2024 U.S. EPA GWPS

MW-11	
Screened Interval (feet):	12.0-22.0
Sample Date:	11/19/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	8.1
As	20 ^
As(d)	17 ^
Other Metals	<GWPS

MW-10	
Screened Interval (feet):	14.0-24.0
Sample Date:	11/19/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	<10
As	19 ^
As(d)	16 ^
Other Metals	<GWPS

MW-14	
Screened Interval (feet):	14.0-24.0
Sample Date:	11/12/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	21
Metals	<GWPS

MW-8	
Screened Interval (feet):	11.50-21.50
Sample Date:	11/12/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	22
Metals	<GWPS

MW-13	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/12/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	17
Total CN	81
Metals	<GWPS

MW-9	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/13/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	7.6
As	18 ^
As(d)	12 ^
Other Metals	<GWPS

MW-6	
Screened Interval (feet):	16.0-26.0
Sample Date:	11/19/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	<10
As	10 ^
As(d)	11 ^
Other Metals	<GWPS

MW-12	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/21/2024
Parameters	
TCE	150 ^
Other VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	<150
Metals	<GWPS

MW-4	
Screened Interval (feet):	17.0-27.0
Sample Date:	11/19/2024
Parameters	
TCE	13,000 ^
Other VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	14
As	14 ^
As(d)	17 ^
Other Metals	<GWPS

MW-2	
Screened Interval (feet):	15.0-25.0
Sample Date:	12/04/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	<10
As	21 ^
As(d)	20 ^
Pb	28 ^
Pb(d)	15 ^
Other Metals	<GWPS

MW-13	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/12/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	81
Metals	<GWPS

MW-7	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/20/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	310
Metals	<GWPS

MW-7	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/20/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	310
Metals	<GWPS

MW-3	
Screened Interval (feet):	15.0-25.0
Sample Date:	11/20/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	1,300 ^
Total CN	840
As	13 ^
As(d)	13 ^
Other Metals	<GWPS

MW-15	
Screened Interval (feet):	16.0-26.0
Sample Date:	11/20/2024
Parameters	
TCE	10,000 ^
Other VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	6.5
As	17 ^
As(d)	18 ^
Other Metals	<GWPS

MW-5	
Screened Interval (feet):	16.0-26.0
Sample Date:	11/20/2024
Parameters	
TCE	9,600 ^
Other VOCs	<GWPS
Nap	0.12 ^
Other sVOCs	<GWPS
Free CN	<6.0
Total CN	7.9
Metals	<GWPS

MW-1	
Screened Interval (feet):	15.50-25.50
Sample Date:	12/04/2024
Parameters	
VOCs	<GWPS
sVOCs	<GWPS
Free CN	<6.0
Total CN	<10
As	27 ^
As(d)	26 ^
Other Metals	<GWPS

- Subject Property
- Monitoring Well

**Material Sciences Corporation
Canfield
Groundwater Analytical
Results Map**

460 West Main Street
Canfield, Ohio 44406

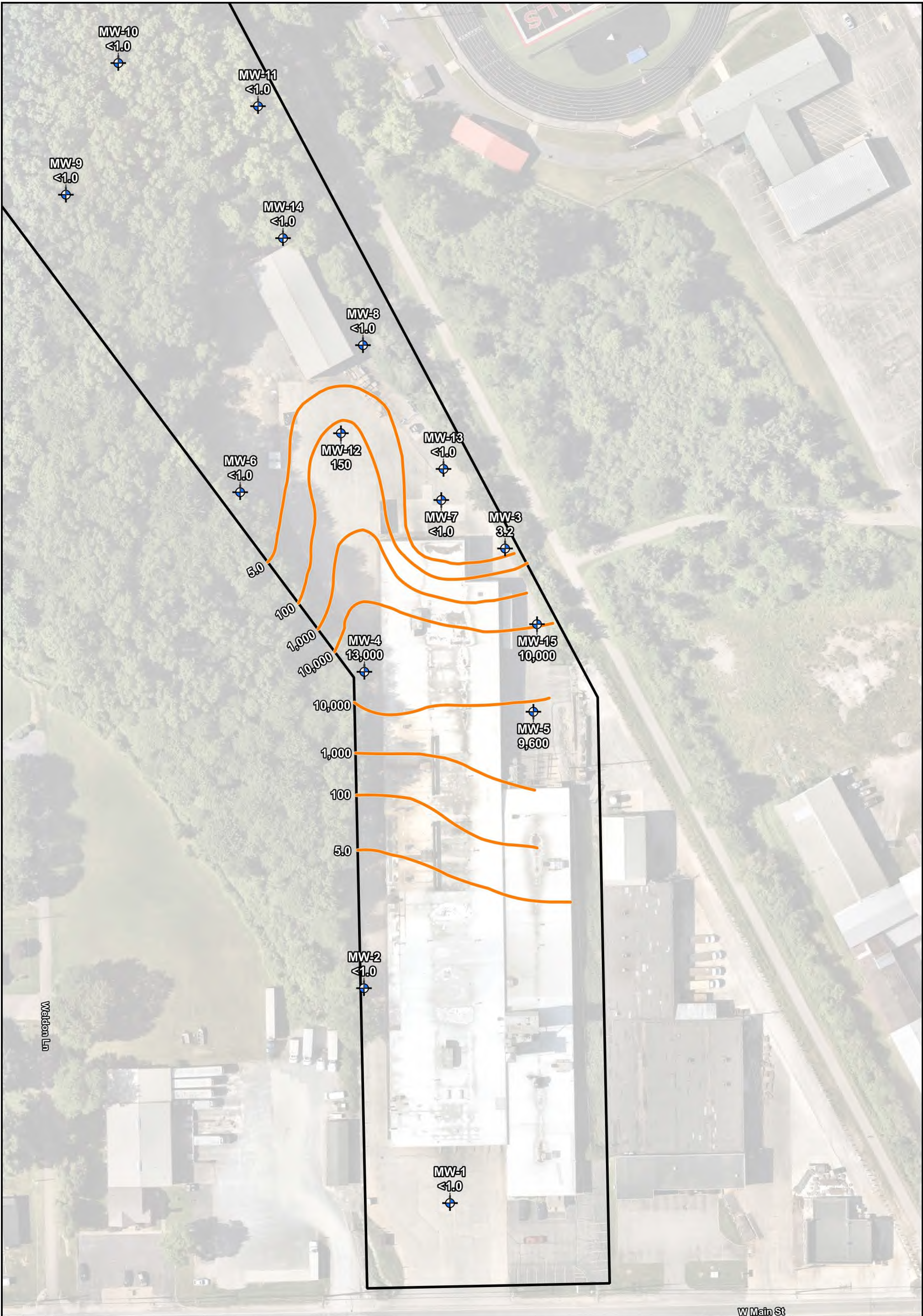


4401 Rockside Road, Suite 300
Independence, Ohio 44131 (330) 576-3229



PROJECT NO.: JY2380.372	DATE: 02/14/2025
FIGURE: 4	SCALE: 1:1,000
	CREATED BY: CC

Nearmap Aerial Imagery:
June 15, 2024

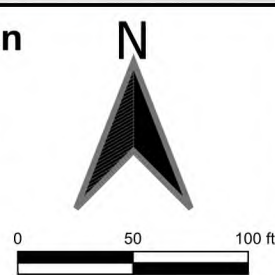


- Subject Property
- Monitoring Well
- U.S. EPA 2024 GWPS (5.0 ug/L)

Nearmap Aerial Imagery:
June 15, 2024

**Material Sciences Corporation
Canfield**
**TCE Groundwater Extent Map
(November 11, 2024)**

460 West Main Street
Canfield, Ohio 44406



W Main St

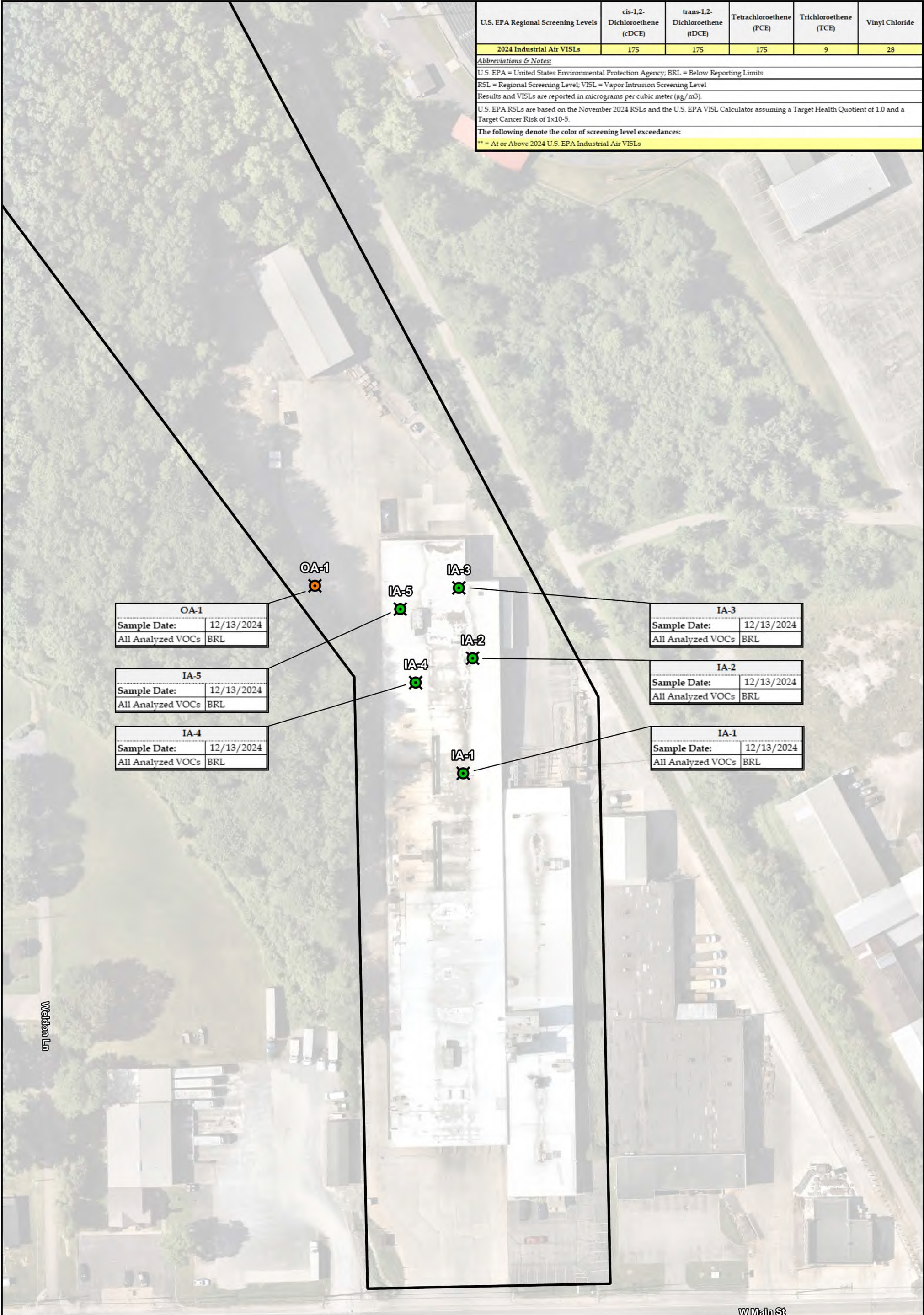
4401 Rockside Road, Suite 300
Independence, Ohio 44131 (330) 576-3229

August Mack
ENVIRONMENTAL

PROJECT NO.: JY2380.372	DATE: 02/11/2025
FIGURE: 5	SCALE: 1:1,000
	CREATED BY: CC

U.S. EPA Regional Screening Levels	cis-1,2-Dichloroethene (cDCE)	trans-1,2-Dichloroethene (tDCE)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Vinyl Chloride
2024 Industrial Air VISLs	175	175	175	9	28

Abbreviations & Notes:
 U.S. EPA = United States Environmental Protection Agency; BRL = Below Reporting Limits
 RSL = Regional Screening Level; VISL = Vapor Intrusion Screening Level
 Results and VISLs are reported in micrograms per cubic meter (µg/m³).
 U.S. EPA RSLs are based on the November 2024 RSLs and the U.S. EPA VISL Calculator assuming a Target Health Quotient of 1.0 and a Target Cancer Risk of 1x10⁻⁵.
 The following denote the color of screening level exceedances:
 ** = At or Above 2024 U.S. EPA Industrial Air VISLs



OA-1	
Sample Date:	12/13/2024
All Analyzed VOCs	BRL

IA-5	
Sample Date:	12/13/2024
All Analyzed VOCs	BRL

IA-4	
Sample Date:	12/13/2024
All Analyzed VOCs	BRL

IA-3	
Sample Date:	12/13/2024
All Analyzed VOCs	BRL

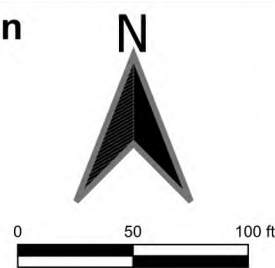
IA-2	
Sample Date:	12/13/2024
All Analyzed VOCs	BRL

IA-1	
Sample Date:	12/13/2024
All Analyzed VOCs	BRL

- Subject Property
- Indoor Air Sample
- Outdoor Air Sample

**Material Sciences Corporation
 Canfield**
**Indoor and Outdoor Air
 Analytical Results Map**

460 West Main Street
 Canfield, Ohio 44406



W Main St


4401 Rockside Road, Suite 300
 Independence, Ohio 44131 (330) 576-3229

PROJECT NO.: JY2380.372	DATE: 01/27/2025
FIGURE: 6	SCALE: 1:1,000
	CREATED BY: CC

TABLES

- Table 1: Summary of Groundwater Elevations
Table 2: Summary of Groundwater Analytical Results
Table 3: Summary of Air Analytical Data


SUMMARY OF GROUNDWATER ELEVATIONS

									
	Date	Top of Casing Elevation (amsl)	Depth to Water [^] (ft)	Groundwater Elevation (amsl)	Measured Well Depth [^] (ft)	Top of Well Screen (ft bg)	Bottom of Well Screen (ft bg)	Top of Well Screen (ft amsl)	Bottom of Well Screen (ft amsl)
MONITORING WELLS									
MW-1	11/11/2024	1139.93	6.55	1133.38	25.50	15.50	25.50	1124.18	1114.18
	11/19/2024		5.02	1134.91	25.80				
MW-2	11/11/2024	1137.76	6.15	1131.61	NM	15.00	25.00	1122.51	1112.51
	11/19/2024		5.44	1132.32	22.18				
MW-3	11/11/2024	1134.49	13.94	1120.55	26.28	16.58	26.58	1117.66	1107.66
	11/19/2024		13.25	1121.24	26.22				
MW-4	11/11/2024	1136.87	9.61	1127.26	25.90	17.00	27.00	1119.62	1109.62
	11/19/2024		8.70	1128.17	25.69				
MW-5	11/11/2024	1137.98	11.01	1126.97	26.31	16.70	26.70	1121.03	1111.03
	11/19/2024		10.11	1127.87	26.31				
MW-6	11/11/2024	1134.80	14.82	1119.98	25.50	15.24	25.24	1119.31	1109.31
	11/19/2024		14.01	1120.79	26.00				
MW-7	11/11/2024	1134.75	14.3	1120.45	27.19	17.00	27.00	1117.50	1107.50
	11/19/2024		13.82	1120.93	27.11				
MW-8	11/11/2024	1131.97	13.22	1118.75	21.79	11.95	21.95	1119.77	1109.77
	11/19/2024		12.84	1119.13	21.79				
MW-9	11/11/2024	1135.04	17.05	1117.99	28.40	15.42	25.42	1119.37	1109.37
	11/19/2024		16.32	1118.72	28.40				
MW-10	11/11/2024	1131.49	14.82	1116.67	26.42	13.49	23.49	1117.75	1107.75
	11/19/2024		14.00	1117.49	26.44				
MW-11	11/11/2024	1126.41	9.92	1116.49	25.33	12.32	22.32	1113.84	1103.84
	11/19/2024		9.21	1117.20	25.31				
MW-12	11/11/2024	1133.91	14.92	1118.99	24.70	14.72	24.72	1118.94	1108.94
	11/19/2024		14.15	1119.76	24.71				
MW-13	11/11/2024	1133.93	15.44	1118.49	24.22	14.86	24.86	1118.82	1108.82
	11/19/2024		14.19	1119.74	24.22				
MW-14	11/11/2024	1131.61	13.18	1118.43	24.31	14.73	24.73	1116.63	1106.63
	11/19/2024		12.65	1118.96	24.31				
MW-15	11/11/2024	1135.47	10.10	1125.37	26.05	16.20	26.20	1119.02	1109.02
	11/19/2024		9.34	1126.13	25.91				

Abbreviations & Notes

amsl = feet above mean sea level
ft = feet; ft bg= feet below grade
NA = Not Applicable; NM = Not Measured
[^] = Measurement taken from top of PVC casing

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

			Volatile Organic Compounds (VOCs) via U.S. EPA Method 8260				Semi-Volatile Organic Compounds (SVOCs) via U.S. EPA Method 8270						PCBs	Wet Chemistry via U.S. EPA 9012/OIA1677/Field Measure			
			cis-1,2-Dichloroethene (cDCE)	Trichloroethene (TCE)	Vinyl Chloride	All Remaining Analyzed VOCs	Anthracene	Di-n-butylphthalate	Fluoranthene	Naphthalene	Phenanthrene	Pyrene	All Remaining Analyzed SVOCs	All Analyzed PCBs	Cyanide, Free	Cyanide, Total	pH
U.S. EPA 2024 GWPS			70	5.0	2.0	Varies	180	90	80	0.120	NE	12	Varies	Varies	200	NE	NE
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1		12/04/2024	<1.0	<1.0	<1.0	BRL	<0.19	<4.8	<0.19	<0.19 E	<0.19	<0.19	BRL	BRL	<6.0	<10	7.12
MW-2		12/04/2024	<1.0	<1.0	<1.0	BRL	<0.20	<5.0	<0.20	<0.20 E	<0.20	<0.20	BRL	BRL	<6.0	<10	7.18
MW-3		11/20/2024	4.2	3.2	0.80	BRL	<0.20	4.0	<0.20	<0.11	0.14	0.16	BRL	BRL	1,300 ^	840	6.93
MW-4		11/19/2024	<230 E	13,000 ^	<230 E	BRL	<0.20	<5.0	<0.20	<0.11	<0.20	<0.20	BRL	BRL	<6.0	14	7.07
MW-5		11/20/2024	<120 E	9,600 ^	<110 E	BRL	<0.22	<5.4	<0.22	0.12 J ^	<0.22	<0.22	BRL	BRL	<6.0	7.9	6.76
MW-6		11/19/2024	<1.0	<1.0	<0.45	BRL	<0.19	<4.8	<0.19	<0.10	0.17 J	<0.19	BRL	BRL	<6.0	<10	7.14
MW-7		11/20/2024	<1.0	<1.0	<0.45	BRL	<0.19	<4.8	<0.19	<0.10	<0.19	<0.19	BRL	BRL	<6.0	310	6.74
MW-8		11/12/2024	<1.0	<1.0	<0.45	BRL	0.15 J	<5.0	0.41	<0.11	0.22	0.63	BRL	BRL	<6.0	22	7.03
MW-9		11/13/2024	<1.0	<1.0	<0.45	BRL	<0.20	<5.0	<0.20	<0.11	<0.20	<0.20	BRL	BRL	<6.0	7.6 J	7.15
	DUP-2	11/13/2024	<1.0	<1.0	<0.45	BRL	<0.19	<4.8	<0.19	<0.10	<0.19	<0.19	BRL	BRL	<6.0	7.8 J	7.15
MW-10		11/19/2024	<1.0	<1.0	<0.45	BRL	<0.19	<4.8	<0.19	<0.10	0.12 J	<0.19	BRL	BRL	<6.0	<10	7.05
MW-11		11/19/2024	<1.0	<1.0	<0.45	BRL	<0.19	<4.8	<0.19	<0.10	<0.19	<0.19	BRL	BRL	<6.0	8.1 J	7.13
MW-12		11/21/2024	<5.0	150 ^	<2.3 E	BRL	<0.19	<4.8	<0.19	<0.10	<0.19	<0.19	BRL	BRL	<6.0	<150	7.08
MW-13		11/12/2024	<1.0	<1.0	<1.0	BRL	<0.20	<5.0	<0.20	<0.20 E	<0.20	<0.20	BRL	BRL	17	81	6.74
	DUP-1	11/12/2024	<1.0	<1.0	<1.0	BRL	<0.19	<4.8	<0.19	<0.19 E	<0.19	<0.19	BRL	BRL	12	83	6.74
MW-14		11/12/2024	<1.0	<1.0	<0.45	BRL	<0.20	<5.0	<0.20	<0.11	<0.20	<0.20	BRL	BRL	<6.0	21	7.01
MW-15		11/20/2024	<500 E	10,000 ^	<230 E	BRL	<0.19	<4.8	<0.19	<0.10	<0.19	<0.19	BRL	BRL	<6.0	6.5 J	6.84

Abbreviations & Notes

BRL = Below Laboratory Reporting Limits
 DUP = Duplicate Sample
 E = Reporting limit exceeds GWPS due to dilution or analytical limitations
 J = Reported value is estimated
 MCL = Maximum Contaminant Level
 NE = Not Established


RSL = Regional Screening Level
 TCR = Target Cancer Risk
 THQ = Target Hazard Quotient
 U.S. EPA = United States Environmental Protection Agency
 pH values obtained from field measurements during purging.
 Results and GWPS are reported in micrograms per liter (µg/L).

The following denote the symbol and color of screening level exceedances:

^ = At or above U.S. EPA Ground Water Protection Standards (GWPS)

Where default reporting limits exceed GWPS, results are reported as non-detect at the method detection limit.
 GWPS are the U.S. EPA MCL, if available, or current U.S. EPA Residential Tapwater RSL assuming TCR of 1x10⁻⁶ and THQ of 0.1.

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

			Metals via U.S. EPA Methods 6010/7470/7196															
			Arsenic	Arsenic, Dissolved	Barium	Barium, Dissolved	Cadmium	Cadmium, Dissolved	Total Chromium	Dissolved Chromium	Chromium (VI) (Dissolved)	Copper	Copper, Dissolved	Lead	Lead, Dissolved	Zinc	Zinc, Dissolved	All Remaining Analyzed Metals
U.S. EPA 2024 GWPS			10	10	2,000	2,000	5	5	100	100	0.11	1,300	1,300	10	10	600	600	Varies
Sample ID	DUP ID	Date Collected	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1		12/04/2024	27 ^	26 ^	37 J	34 J	<5.0	<5.0	4.2 J	2.6 J	<7.0 E	3.7 J	<25	<10	<10	<50	<50	BRL
MW-2		12/04/2024	21 ^	20 ^	93 J	78 J	<5.0	<5.0	12	11	<7.0 E	33	28	28 ^	15 ^	74	54	BRL
MW-3		11/20/2024	13 ^	13 ^	34	36	<5.0	<5.0	2.7	1.3	<7.0 E	25	18	<10	2.9 J	310	160	BRL
MW-4		11/19/2024	14 J ^	17 ^	43 J	40 J	<5.0	<5.0	2.6 J	1.7 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-5		11/20/2024	4.6	4.1	65	63	<5.0	<5.0	2.8	2.9	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-6		11/19/2024	10 J ^	11 J ^	54 J	49 J	<5.0	<5.0	2.3 J	1.7 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-7		11/20/2024	<4.1	<4.1	55 J	55 J	<5.0	<5.0	2.2 J	1.8 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-8		11/12/2024	<4.1	<4.1	62 J	62 J	0.49 J	0.45 J	3.6 J	1.7 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-9		11/13/2024	18 ^	12 J ^	54 J	44 J	<5.0	<5.0	1.9 J	<10	<35 E	4.8 J	<25	3.2 J	<10	23 J	<50	BRL
	DUP-2	11/13/2024	15 ^	15 ^	49 J	45 J	<5.0	<5.0	<10	<10	<35 E	<25	<25	<10	<10	<50	<50	BRL
MW-10		11/19/2024	19 ^	16 ^	38 J	35 J	<5.0	<5.0	1.9 J	1.5 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-11		11/19/2024	20 ^	17 ^	32 J	25 J	<5.0	<5.0	2.5 J	1.6 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-12		11/21/2024	<4.1	<4.1	20 J	20 J	<5.0	<5.0	1.3 J	0.85 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-13		11/12/2024	<15 E	<15 E	90 J	90 J	<5.0	<5.0	<10	<10	<20 E	<25	<25	<10	<10	<50	<50	BRL
	DUP-1	11/12/2024	<15 E	<15 E	90 J	88 J	0.52 J	0.48 J	<10	<10	<20 E	<25	<25	<10	<10	<50	<50	BRL
MW-14		11/12/2024	<4.1	<4.1	41 J	38 J	<5.0	<5.0	0.82 J	<10	<7.0 E	<25	<25	<10	<10	<50	<50	BRL
MW-15		11/20/2024	17 ^	18 ^	44 J	42 J	<5.0	<5.0	1.9 J	1.5 J	<7.0 E	<25	<25	<10	<10	<50	<50	BRL

Abbreviations & Notes

BRL = Below Laboratory Reporting Limits
 DUP = Duplicate Sample
 E = Reporting limit exceeds GWPS due to dilution or analytical limitations
 J = Reported value is estimated
 MCL = Maximum Contaminant Level
 NE = Not Established


RSL = Regional Screening Level
 TCR = Target Cancer Risk
 THQ = Target Hazard Quotient
 U.S. EPA = United States Environmental Protection Agency
 pH values obtained from field measurements during purging.
 Results and GWPS are reported in micrograms per liter (µg/L).

The following denote the symbol and color of screening level exceedances:

^ = At or above U.S. EPA Ground Water Protection Standards (GWPS)

Where default reporting limits exceed GWPS, results are reported as non-detect at the method detection limit.
 GWPS are the U.S. EPA MCL, if available, or current U.S. EPA Residential Tapwater RSL assuming TCR of 1x10⁻⁶ and THQ of 0.1.

SUMMARY OF AIR ANALYTICAL DATA

	Sample ID:	U.S. EPA 2024 Industrial VISLs (**)	IA-1	IA-2	IA-3	IA-4	IA-5	OA-1
	Sample Media:		Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air
	Sample Date:		12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024
VOLATILE ORGANIC COMPOUNDS (VOCs) VIA U.S. EPA METHOD TO-15								
cis-1,2-Dichloroethene (cDCE)	175	<1.0	<1.0	<0.98	<0.99	<1.3	<0.93	
trans-1,2-Dichloroethene (tDCE)	175	<1.3	<1.3	<1.2	<1.2	<1.7	<1.2	
Tetrachloroethene (PCE)	175	<1.9	<1.9	<1.8	<1.8	<2.5	<1.7	
Trichloroethene (TCE)	9	<0.67	<0.67	<0.64	<0.65	<0.87	<0.61	
Vinyl Chloride	28	<1.0	<1.0	<0.97	<0.97	<1.3	<0.91	

Abbreviations & Notes

RSL = Regional Screening Level

U.S. EPA = United States Environmental Protection Agency

VISL = Vapor Intrusion Screening Level

The following denote the symbol and color of screening level exceedances:

** = At or Above U.S. EPA Industrial Air VISL

ATTACHMENT A

August Mack Field Procedures

GROUNDWATER LEVEL MEASUREMENTS

Water level measurements were taken from each monitoring well prior to groundwater sampling. After removing the well cap, sufficient time was allowed for the water level within the well to equilibrate with the ambient air pressure.

Prior to water level measuring, the existing reference point on the well casing was determined (in the event that no reference point was identified on the well casing, all measurements were collected from the north side of the well). A Solinst® or similar water level indicator probe was slowly lowered into the well until the sound from the indicator was audible. The probe was then slowly pulled out a few inches, and dropped back down at smaller increments until the water level could be determined to within 0.01 feet (ft). Following groundwater sampling activities, the total depth of the well was then measured and recorded to the nearest 0.01 ft by allowing the probe of the measuring tape to contact the base of the well. The water level indicator was decontaminated before and after each use with a non-phosphate detergent (i.e. Liquinox®, or equivalent) wash, followed by tap water and distilled water rinses to prevent cross contamination.

LOW FLOW GROUNDWATER SAMPLING

Low-flow sampling was conducted in general accordance with U.S. EPA low-flow sampling procedures (U.S. EPA, 1996, Revised 2017). Prior to groundwater sample collection, water level measurements were collected from each well. After removing the well cap, sufficient time was allowed for the water level to equilibrate with the ambient air pressure.

Prior to sampling, a plastic secondary containment area was constructed near the well casing. The water quality monitoring equipment was placed inside the secondary containment to prevent direct contact between the equipment and site surface. August Mack utilized a stainless steel Geotech® bladder pump (or similar) to purge and sample the well. The pump was decontaminated prior to purging and sampling using a phosphate-free detergent and triple rinsed using tap water and deionized water. The pump was attached to 1/4-inch inside diameter (i.d.) by 3/8-inch outside diameter (o.d.) polyethylene tubing. New tubing was used for each well, and the tubing was discarded after each use. For each well, the pump was slowly lowered into the water column and the submersible pump intake was placed at approximately the midpoint of the groundwater zone sampled.

In accordance with U.S. EPA guidance, flow rates for the well purging and sampling were maintained below 1.0 liter/minute (generally within the range of 100 to 400 ml/min) and drawdown of the aquifer was continually measured to ensure that it remained (or stabilized at) less than 4-inches (0.3-feet). During the well purging, groundwater physical and chemical characteristics were measured using a multi-parameter meter connected to an in-line flow cell. These characteristics included: turbidity, dissolved oxygen (DO), temperature, pH, specific conductivity, and oxidation reduction potential (ORP).

Once stable conditions were achieved, water samples were obtained using the low-flow equipment and collected in laboratory supplied sample containers. The purge water generated during well sampling was containerized (using 55-gallon steel drums), and properly labeled pending proper disposal. Non-dedicated equipment was decontaminated before and after each use with non-phosphate detergent wash, followed by distilled water rinses to prevent cross contamination. Following sampling, the well was closed and locked.

EQUIPMENT DECONTAMINATION

All reusable equipment (i.e. the submersible pump and water level indicator) was decontaminated before and after use with non-phosphate detergent wash, followed by distilled water rinses to prevent cross contamination. All decontamination water generated during sampling activities was containerized in properly labeled 55-gallon drums and stored on Site pending disposal.

INDOOR AIR & AMBIENT OUTDOOR AIR SAMPLING PROCEDURES

August Mack initiated indoor air and ambient outdoor air sampling by placing a six (6)-liter stainless steel Summa® canister equipped with an eight (8) hour flow controller approximately 3 to 5-feet above grade level. Both the canister and the regulator were laboratory-supplied, and batch certified clean. The Summa® canister flow controller was also equipped with a laboratory-supplied 0.2 micron air filter to prevent clogging of the canister opening during sample collection.

Once the sampling media was properly positioned, the serial number of the Summa® canister and the regulator was recorded on a field log sheet. The Summa® canister valve was opened and the air sample was collected over an 8-hour timeframe. The start and end times of the sample was documented on the field log sheet along with the initial and final vacuum of the Summa® canister.

The air samples were submitted to a certified laboratory and analyzed for a select list of VOCs using U.S. EPA Method TO-15.

ATTACHMENT B

Purge Records

Purge Record



Well ID: MW-1
Date: 2024-12-04

Project Information:

Operator Name M. Smith
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 25.80 ft
Initial Synoptic Depth to Water 4.29 ft

Pumping Information:

Average Purging Flow Rate* 131 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 20.63 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S}/\text{cm @ 25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
		< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
1	0:00	130.00	7.11	734.45	3812.86	1.31	8.93	55.58	4.29
2	0:03	130.00	7.14	646.44	1650.92	0.67	11.44	45.15	4.29
3	0:06	130.00	7.15	468.85	1004.42	0.45	11.86	39.64	4.29
4	0:09	130.00	7.14	462.92	1598.12	0.42	12.75	34.64	4.29
5	0:12	130.00	7.14	462.69	1107.03	0.39	13.36	29.72	4.29
6	0:15	130.00	7.11	471.54	1351.76	0.35	13.79	26.52	4.29
7	0:18	130.00	7.12	475.62	1222.63	0.37	14.03	21.62	4.29
8	0:21	130.00	7.13	482.16	1077.03	0.33	14.39	16.79	4.29
9	0:24	140.00	7.13	487.11	1137.23	0.31	14.65	12.15	5.29
10	0:27	140.00	7.13	493.18	998.51	0.33	14.66	8.05	5.29
11	0:30	140.00	7.10	500.37	637.29	0.26	14.77	4.84	5.29
12	0:33	140.00	7.11	505.02	695.59	0.29	14.82	-0.56	5.29
13	0:36	140.00	7.13	404.11	923.65	0.23	14.68	-5.06	5.29
14	0:39	140.00	7.14	416.17	836.34	0.27	14.67	-9.90	5.29
15	0:42	140.00	7.13	436.14	732.86	0.22	14.88	-13.61	5.29
16	0:45	140.00	7.13	470.50	932.90	0.23	14.98	-17.10	5.36
17	0:48	140.00	7.12	428.68	526.62	0.20	14.98	-19.12	5.36
18	0:51	140.00	7.13	435.27	391.48	0.20	14.88	-22.77	5.36
19	0:54	140.00	7.13	444.55	459.67	0.23	14.81	-25.44	5.36
20	0:57	130.00	7.14	454.44	473.13	0.19	14.70	-27.24	5.30
21	1:00	130.00	7.14	458.48	379.36	0.23	14.64	-29.16	5.30
22	1:02	130.00	7.14	449.67	619.90	0.20	14.62	-30.67	5.30
23	1:05	130.00	7.13	460.19	419.94	0.18	14.61	-31.79	5.30
24	1:08	130.00	7.13	464.49	318.27	0.16	14.58	-33.52	5.30
25	1:11	120.00	7.14	466.60	289.40	0.19	14.62	-35.24	5.25
26	1:14	120.00	7.14	467.85	374.27	0.16	14.71	-36.93	5.25
27	1:17	120.00	7.14	467.09	358.57	0.15	14.69	-38.34	5.25
28	1:20	120.00	7.13	469.94	357.94	0.14	14.70	-39.36	5.25
29	1:23	120.00	7.13	471.62	341.02	0.15	14.65	-40.12	5.25
30	1:26	120.00	7.14	472.70	276.23	0.13	14.65	-41.31	5.25
31	1:29	120.00	7.14	471.64	281.34	0.14	14.74	-42.34	5.25
32	1:32	130.00	7.13	482.05	551.90	0.16	14.76	-43.12	5.25
33	1:35	130.00	7.14	479.95	417.26	0.13	14.81	-44.09	5.25
34	1:38	130.00	7.12	478.27	292.82	0.18	14.83	-44.71	5.25

Weather Conditions: 33 F Cloudy

Purge Start Time: 16:31

Sample ID: MW-1-20241204, MW-1-20241204 DISS

Notes:

QA/QC: MS/MSD

Volume Purged: 17 L

Color/Odor: Grey/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-2
Date: 2024-12-04

Project Information:

Operator Name M. Smith
 Company Name August Mack Environmental, Inc
 Project Number JY2380.372/4Q24 GWS
 Site Name MSC Canfield
 Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
 Multimeter Type Aqua TROLL 600
 Tubing / Bailer Type LDPE
 Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
 Current Total Well Depth 22.18 ft
 Initial Synoptic Depth to Water 4.96 ft

Pumping Information:

Average Purging Flow Rate* 144 (ml/min)
 Parameter Recording Rate 180 sec
 Pump Placement from TOC 20.00 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S/cm @25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	130.00	7.20	1180.51	3280.32	1.63	8.74	85.50	4.96
2	0:03	130.00	7.16	1195.73	4158.75	1.45	11.93	84.28	4.96
3	0:06	130.00	7.18	1185.14	3553.48	0.92	11.93	80.99	4.96
4	0:09	130.00	7.18	1179.90	4636.87	0.74	12.57	77.96	4.96
5	0:12	130.00	7.18	1181.92	3487.09	0.92	12.47	75.55	4.96
6	0:15	130.00	7.17	1191.54	2507.18	1.34	12.77	73.84	4.96
7	0:18	150.00	7.18	1191.43	2694.01	1.51	12.55	72.80	6.16
8	0:21	150.00	7.17	1200.10	2843.75	1.77	14.56	70.11	6.16
9	0:24	150.00	7.18	1215.16	2785.55	2.69	14.63	69.47	6.16
10	0:27	150.00	7.17	1208.85	3120.32	2.56	14.64	69.34	6.16
11	0:30	150.00	7.17	1199.44	2830.52	2.38	14.55	68.73	6.68
12	0:30	150.00	7.16	1196.18	3810.85	2.37	14.54	68.51	6.68
13	0:33	150.00	7.16	1187.75	3246.14	2.12	14.32	67.45	6.68
14	0:36	150.00	7.17	1180.03	2937.60	1.95	14.30	64.98	6.68
15	0:39	150.00	7.17	1161.62	3714.18	1.73	13.99	63.23	6.77
16	0:42	140.00	7.18	1067.04	3999.04	1.69	13.59	62.65	6.68
17	0:45	140.00	7.18	1063.68	3121.49	1.76	12.65	61.62	6.68
18	0:48	140.00	7.17	1046.49	3149.75	1.09	13.06	58.86	6.68
19	0:51	140.00	7.17	1035.60	3657.74	1.19	13.10	56.61	6.68
20	0:54	140.00	7.17	1062.56	3564.80	1.48	13.87	53.74	6.68
21	0:57	140.00	7.17	1062.52	3480.96	2.01	13.88	53.22	6.68
22	1:00	140.00	7.18	1047.93	3258.47	1.90	13.84	52.63	6.68
23	1:03	140.00	7.17	1025.11	4328.32	1.69	14.03	51.52	6.68
24	1:06	140.00	7.18	1002.25	3427.15	1.87	13.93	50.53	6.68
25	1:09	150.00	7.17	992.13	3475.43	1.65	13.53	49.89	6.86
26	1:12	150.00	7.17	1008.60	4131.30	1.35	13.97	48.48	6.86
27	1:15	150.00	7.18	994.44	3811.15	1.52	13.46	48.06	6.86
28	1:18	150.00	7.18	967.47	3954.49	1.16	13.13	47.10	6.86
29	1:21	150.00	7.18	935.93	3159.11	1.03	13.37	45.76	6.86
30	1:24	150.00	7.17	933.02	3483.69	1.19	13.48	44.00	6.72
31	1:27	150.00	7.18	926.75	3933.60	1.34	12.88	43.64	6.72
32	1:30	150.00	7.17	898.25	3930.17	1.24	13.77	40.84	6.72
33	1:33	150.00	7.17	899.01	3094.68	1.69	13.83	40.86	6.72
34	1:36	150.00	7.17	877.90	3145.88	1.45	13.77	40.59	6.72
35	1:39	150.00	7.17	859.50	3808.40	1.24	13.75	39.50	6.72
36	1:42	150.00	7.17	867.95	5067.96	1.34	13.76	38.25	6.72
37	1:45	150.00	7.17	857.53	3786.74	1.36	13.68	37.37	6.72
38	1:48	150.00	7.17	816.62	3798.09	1.29	13.65	36.85	7.03
39	1:51	150.00	7.17	771.60	4218.87	1.31	13.61	36.22	7.03

Purge Record



Well ID: MW-2
Date: 2024-12-04

Project Information:

Operator Name M. Smith
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 22.18 ft
Initial Synoptic Depth to Water 4.96 ft

Pumping Information:

Average Purging Flow Rate* 144 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 20.00 ft

Low-Flow Sampling Stabilization Summary

	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S/cm @25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
40	1:54	150.00	7.17	709.40	3881.23	1.19	13.59	34.71	7.03
41	1:57	150.00	7.17	657.97	4602.66	1.14	13.50	33.99	7.03
42	2:00	150.00	7.17	619.95	3376.33	1.04	13.42	33.38	7.03
43	2:03	135.00	7.18	596.53	3965.69	1.22	13.35	32.03	7.06
44	2:06	135.00	7.17	583.09	3364.02	1.12	13.25	31.13	7.06
45	2:09	135.00	7.18	571.94	4764.56	1.07	13.24	30.16	7.06
46	2:12	135.00	7.18	566.48	4716.52	1.07	13.20	29.15	7.06
47	2:15	135.00	7.18	561.03	3587.33	1.09	13.16	28.19	7.06
48	2:18	135.00	7.18	552.43	4205.39	1.13	13.09	27.32	7.06

Weather Conditions: 27 F Cloudy

Purge Start Time: 12:40

Sample ID: MW-2-20241204, MW-2-20241204 DISS

Notes:

QA/QC: Not Applicable

Volume Purged: 25 L

Color/Odor: Grey/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-3
Date: 2024-11-20

Project Information:

Operator Name T. Reynolds
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 26.22 ft
Initial Synoptic Depth to Water 13.25 ft

Pumping Information:

Average Purging Flow Rate* 151 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 21.00 ft

Low-Flow Sampling Stabilization Summary

	Purge Time	Flow Rate [ml/min]	pH	Cond [μ S/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	220.00	7.06	629.84	140.44	0.63	16.09	194.49	13.59
2	0:03	220.00	7.01	654.49	110.56	0.12	16.23	190.25	13.59
3	0:06	140.00	7.00	662.84	58.22	0.09	16.21	187.72	13.59
4	0:09	140.00	6.99	672.28	41.97	0.08	15.98	183.37	13.59
5	0:12	140.00	6.97	680.59	26.92	0.07	15.91	181.21	13.59
6	0:15	140.00	6.97	680.10	28.96	0.06	15.93	177.64	13.59
7	0:18	140.00	6.97	676.08	36.78	0.07	15.91	174.21	13.80
8	0:21	140.00	6.94	680.94	29.31	0.07	15.97	171.86	13.80
9	0:24	140.00	6.93	688.48	14.65	0.06	15.97	166.56	13.80
10	0:27	140.00	6.93	690.17	13.33	0.06	15.93	161.47	13.80
11	0:30	140.00	6.92	689.94	14.59	0.05	15.93	154.43	13.80
12	0:33	140.00	6.94	685.82	20.76	0.06	15.93	155.40	13.80
13	0:36	140.00	6.93	692.48	8.00	0.05	15.86	146.69	13.82
14	0:39	140.00	6.93	692.39	5.87	0.05	15.87	143.48	13.82
15	0:42	140.00	6.93	693.10	4.92	0.05	15.89	143.30	13.82

Weather Conditions: 51 F Cloudy

Purge Start Time: 10:43

Notes: Sample ID: MW-3-20241120, MW-3-20241120-DISS

QA/QC: Not Applicable

Volume Purged: 12.5 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-4
Date: 2024-11-19

Project Information:

Operator Name M. Shaeffer
 Company Name August Mack Environmental, Inc
 Project Number JY2380.372/4Q24 GW Sampling
 Site Name MSC Canfield
 Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Grotech Bladder
 Multimeter Type Aqua TROLL 600
 Tubing / Bailer Type LDPE
 Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
 Current Total Well Depth 25.69 ft
 Initial Synoptic Depth to Water 8.70 ft

Pumping Information:

Average Purging Flow Rate* 185 (ml/min)
 Parameter Recording Rate 180 sec
 Pump Placement from TOC 22.00 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [µS/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
		< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
1	0:00	185.00	7.08	648.25	538.50	0.86	15.62	197.0	8.92
2	0:03:00	185.00	7.09	645.62	638.45	0.60	15.64	197.6	9.45
3	0:06:00	185.00	7.13	633.91	823.45	0.47	15.62	192.5	9.45
4	0:09:00	185.00	7.16	622.56	750.15	0.33	15.65	193.2	9.45
5	0:12:00	185.00	7.18	917.70	508.05	0.24	15.64	193.9	10.54
6	0:15:00	185.00	7.18	618.02	369.80	0.18	15.65	192.8	11.25
7	0:18:00	185.00	7.17	620.24	258.01	0.16	15.66	193.3	11.25
8	0:21:00	185.00	7.15	621.73	242.23	0.15	15.67	191.5	11.25
9	0:24:00	185.00	7.14	626.70	176.59	0.14	15.67	185.0	11.25
10	0:27:00	185.00	7.10	625.70	121.88	0.14	15.69	176.4	11.25
11	0:30:00	185.00	7.10	628.25	89.11	0.14	15.65	165.1	11.25
12	0:33:00	185.00	7.10	630.99	36.19	0.14	15.63	151.8	11.25
13	0:36:00	185.00	7.09	633.42	42.66	0.14	15.61	13638.0	11.25
14	0:39:00	185.00	7.10	635.36	89.22	0.14	15.63	123.2	12.23
15	0:42:00	185.00	7.10	636.20	0.00	0.98	15.71	116.2	12.23
16	0:45:00	185.00	7.10	635.98	0.00	0.91	15.68	127.5	12.23
17	0:48:00	185.00	7.09	637.69	29.91	0.66	15.63	115.90	12.23
18	0:51:00	185.00	7.04	651.48	19.51	0.15	15.63	93.20	12.23
19	0:54:00	185.00	7.05	647.37	18.16	0.12	15.61	82.40	12.23
20	0:57:00	185.00	7.08	636.59	13.82	0.13	15.59	73.10	12.23
21	1:00:00	185.00	7.09	634.67	0.00	0.13	15.60	64.30	12.23
22	1:03:00	185.00	7.08	636.01	0.00	0.14	15.59	54.30	12.23
23	1:06:00	185.00	7.08	636.99	12.18	0.13	15.59	44.70	12.23
24	1:09:00	185.00	7.08	638.42	3.69	0.12	15.59	36.00	12.23
25	1:12:00	185.00	7.09	637.88	0.00	0.12	15.55	28.50	12.23
26	1:15:00	185.00	7.07	639.61	16.17	0.13	15.55	22.30	12.23
27	1:18:00	185.00	7.06	640.95	11.55	0.12	15.53	16.20	12.23
28	1:21:00	185.00	7.07	641.23	0.00	0.13	15.52	10.50	12.23
29	1:24:00	185.00	7.07	641.85	0.00	0.12	15.51	5.70	12.23
30	1:27:00	185.00	7.07	641.84	9.44	0.12	15.50	1.70	12.23

Weather Conditions: 59 F Rain

Purge Start Time: 14:34

Sample ID: MW-4-20241119, MW-4-20241119-DISS

Notes:

QA/QC: Not Applicable

Volume Purged: 18 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-5
Date: 2024-11-20

Project Information:

Operator Name: S. Lee
 Company Name: August Mack Environmental, Inc
 Project Number: JY2380.372/4Q24 GWS
 Site Name: MSC Canfield
 Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Geotech Bladder
 Multimeter Type: Aqua TROLL 600
 Tubing / Bailer Type: LDPE
 Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
 Current Total Well Depth: 26.31 ft
 Initial Synoptic Depth to Water: 10.11 ft

Pumping Information:

Average Purging Flow Rate*: 174 (ml/min)
 Parameter Recording Rate: 180 sec
 Pump Placement from TOC: 21.00 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [μ S/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	280.00	6.58	887.82	4856.96	0.24	18.06	227.86	10.11
2	0:03	280.00	6.68	884.81	7262.52	0.14	18.16	222.32	11.71
3	0:06	280.00	6.72	877.05	6267.64	0.15	18.21	221.37	11.71
4	0:09	285.00	6.74	866.62	3545.79	0.21	18.35	219.72	12.67
5	0:12	285.00	6.70	859.65	1636.67	0.29	18.41	223.04	13.11
6	0:15	285.00	6.72	852.18	851.67	0.40	18.43	221.41	13.11
7	0:18	285.00	6.75	844.84	483.47	0.56	18.43	221.68	13.87
8	0:21	285.00	6.76	840.22	516.72	0.61	18.39	221.31	14.16
9	0:24	125.00	6.77	837.77	371.68	0.65	18.06	220.66	14.16
10	0:27	125.00	6.77	827.59	606.71	0.59	18.20	220.02	14.16
11	0:30	125.00	6.76	817.10	313.81	0.49	18.16	219.80	14.16
12	0:33	125.00	6.79	813.02	223.10	0.45	18.16	217.36	14.16
13	0:36	125.00	6.77	816.01	196.62	0.49	18.10	216.87	14.16
14	0:39	125.00	6.78	811.95	147.43	0.41	18.06	215.71	14.16
15	0:42	125.00	6.77	812.30	194.52	0.39	18.12	215.19	14.16
16	0:45	125.00	6.74	808.56	187.38	0.35	18.13	215.86	14.16
17	0:48	125.00	6.74	810.47	156.47	0.35	18.11	215.01	14.16
18	0:51	125.00	6.75	811.39	139.91	0.35	18.12	212.98	14.16
19	0:54	125.00	6.75	812.91	107.80	0.37	18.12	211.84	14.16
20	0:57	125.00	6.76	810.56	101.75	0.35	18.10	211.07	14.16
21	1:00	125.00	6.76	811.09	58.43	0.35	18.05	210.96	14.16
22	1:03	125.00	6.75	811.18	55.55	0.37	17.97	210.92	14.16
23	1:06	125.00	6.76	810.72	48.57	0.44	17.83	210.63	14.16
24	1:09	125.00	6.76	810.30	45.90	0.49	17.69	210.03	14.16
25	1:12	125.00	6.76	809.91	45.10	0.52	17.56	209.24	14.16
26	1:15	125.00	6.76	809.55	42.44	0.52	17.45	208.36	14.16

Weather Conditions: 43 F Sunny

Purge Start Time: 08:43

Sample ID: MW-5-20241120, MW-5-20241120-DISS

Notes:

QA/QC: Not Applicable

Volume Purged: 13 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-6
Date: 2024-11-19

Project Information:

Operator Name M. Shaeffer
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GW Sampling
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Grotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 26.00 ft
Initial Synoptic Depth to Water 14.01 ft

Pumping Information:

Average Purging Flow Rate* 201 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 20.50 ft

Low-Flow Sampling Stabilization Summary

	Purge Time	Flow Rate [ml/min]	pH	Cond [μ S/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	245.00	7.06	559.95	133.45	0.43	13.16	173.9	14.01
2	0:03:00	285.00	7.08	554.28	142.57	0.18	13.10	127.7	15.21
3	0:06:00	285.00	7.09	546.12	178.76	0.15	13.15	134.8	15.21
4	0:09:00	185.00	7.10	543.11	67.85	0.12	13.18	133.7	15.21
5	0:12:00	185.00	7.11	532.49	98.14	0.11	13.20	96.5	15.42
6	0:15:00	185.00	7.12	526.24	112.64	0.08	13.19	107.3	15.42
7	0:18:00	185.00	7.11	527.04	67.69	0.06	13.19	95.2	15.42
8	0:21:00	185.00	7.11	526.41	13.92	0.05	13.19	72.6	15.42
9	0:24:00	185.00	7.11	525.84	26.49	0.06	13.18	53.5	15.42
10	0:27:00	185.00	7.12	523.94	7.72	0.06	13.17	32.2	15.42
11	0:30:00	185.00	7.12	522.45	2.98	0.06	13.16	18.4	15.63
12	0:33:00	185.00	7.12	521.97	1.72	0.06	13.11	7.9	15.63
13	0:36:00	185.00	7.13	517.89	0.00	0.07	13.10	-4.8	15.63
14	0:39:00	185.00	7.13	516.09	0.00	0.08	13.10	-12.4	15.63
15	0:42:00	185.00	7.13	514.39	0.00	0.06	13.11	-20.7	15.63
16	0:45:00	185.00	7.14	513.24	0.00	0.07	13.10	-20.9	15.63

Weather Conditions: 57 F Cloudy

Purge Start Time: 12:07

Sample ID: MW-6-20241119, MW-6-20241119-DISS

Notes:

QA/QC: Not Applicable

Volume Purged: 12 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-7
Date: 2024-11-20

Project Information:

Operator Name N. Byrd
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 ft
Current Total Well Depth 27.11 ft
Initial Synoptic Depth to Water 13.82 ft

Pumping Information:

Average Purging Flow Rate* 130 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 18.82 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S/cm @25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
	< 500		+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
1	0:00	130.00	6.50	1206.70	217.14	0.23	15.76	229.89	13.82
2	0:03	130.00	6.52	1211.22	118.52	0.16	15.93	224.11	13.82
3	0:06	130.00	6.57	1213.39	130.04	0.14	15.95	221.00	13.82
4	0:09	130.00	6.60	1206.74	100.22	0.12	15.94	221.88	13.82
5	0:12	130.00	6.62	1206.15	65.59	0.11	15.93	220.55	13.82
6	0:15	130.00	6.64	1206.58	56.48	0.10	15.97	219.59	13.82
7	0:18	130.00	6.66	1206.83	36.90	0.09	16.01	218.30	13.82
8	0:21	130.00	6.68	1205.36	46.04	0.09	15.88	216.45	13.82
9	0:24	130.00	6.68	1203.91	25.47	0.09	15.79	215.56	13.82
10	0:27	130.00	6.69	1203.33	33.66	0.09	15.81	215.09	13.82
11	0:30	130.00	6.70	1203.15	24.82	0.08	15.68	214.50	13.82
12	0:33	130.00	6.70	1204.14	22.20	0.08	15.86	212.87	13.82
13	0:36	130.00	6.71	1202.59	14.48	0.08	15.71	210.43	13.82
14	0:39	130.00	6.72	1202.78	29.86	0.08	15.74	208.82	13.82
15	0:42	130.00	6.72	1204.36	18.20	0.08	15.65	207.41	13.82
16	0:45	130.00	6.72	1201.80	15.41	0.08	15.49	205.11	13.82
17	0:48	130.00	6.73	1203.53	11.26	0.08	15.64	203.80	13.82
18	0:51	130.00	6.73	1201.07	7.77	0.08	15.49	202.75	13.82
19	0:54	130.00	6.74	1201.29	6.16	0.09	15.36	201.07	13.82
20	0:57	130.00	6.74	1201.43	10.99	0.08	15.28	199.59	13.82
21	1:00	130.00	6.73	1201.31	7.43	0.09	15.37	198.40	13.82
22	1:03	130.00	6.74	1203.22	4.40	0.09	15.35	197.22	13.82
23	1:06	130.00	6.74	1201.84	3.15	0.09	15.29	195.60	13.82

Weather Conditions: 40 F Light Rain

Purge Start Time: 18:44

Sample ID: MW-7-20241120, MW-7-20241120-DISS

Notes:

QA/QC: Not Applicable

Volume Purged: 9.5 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-8
Date: 2024-11-12

Project Information:

Operator Name: S. Kuntzman
 Company Name: August Mack Environmental, Inc
 Project Number: JY2380.372/4Q24 GW Sampling
 Site Name: MSC Canfield
 Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Grotech Bladder
 Multimeter Type: Aqua TROLL 600
 Tubing / Bailer Type: LDPE
 Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
 Current Total Well Depth: 21.79 ft
 Initial Synoptic Depth to Water: 13.29 ft

Pumping Information:

Average Purging Flow Rate*: 298 (ml/min)
 Parameter Recording Rate: 180 sec
 Pump Placement from TOC: 17.55 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [µS/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	180.00	6.66	1046.35	231.20	2.12	13.81	234.20	13.30
2	0:03	180.00	6.72	1047.03	84.15	0.47	13.84	235.73	13.30
3	0:04	180.00	6.75	1038.12	125.43	0.42	13.48	234.79	13.30
4	0:07	180.00	6.80	1041.98	60.93	0.41	13.40	232.34	13.30
5	0:10	195.00	6.82	1037.59	208.80	0.20	15.24	228.77	13.35
6	0:13	195.00	6.85	1037.38	102.23	0.17	14.63	229.03	13.35
7	0:16	195.00	6.88	1040.53	198.64	0.18	14.85	228.64	13.35
8	0:19	195.00	6.91	1042.34	156.41	0.11	15.79	222.05	13.35
9	0:22	425.00	6.92	1037.85	94.25	0.45	15.83	222.93	13.56
10	0:25	425.00	6.95	1037.97	125.31	0.47	15.82	221.99	13.56
11	0:28	370.00	6.96	1039.30	90.23	0.10	15.75	220.74	13.52
12	0:31	370.00	6.98	1040.68	67.73	0.09	15.70	219.20	13.52
13	0:34	370.00	6.99	1039.86	90.44	0.10	15.68	218.39	13.52
14	0:37	325.00	6.97	1041.79	78.04	0.11	15.64	218.66	13.52
15	0:40	325.00	6.98	1044.22	65.18	0.11	15.66	217.72	13.52
16	0:43	325.00	6.99	1043.81	72.63	0.29	15.62	215.47	13.52
17	0:46	325.00	6.99	1043.62	48.19	0.13	15.68	213.20	13.52
18	0:49	325.00	7.00	1042.27	55.10	0.12	15.66	211.49	13.52
19	0:52	280.00	7.00	1042.59	34.74	0.13	15.64	210.97	13.52
20	0:55	280.00	7.01	1041.88	28.10	0.14	15.59	209.27	13.52
21	0:58	280.00	7.01	1041.95	17.44	0.15	15.59	209.29	13.52
22	1:01	300.00	7.01	1042.10	21.39	0.22	15.57	207.32	13.52
23	1:04	300.00	7.02	1042.27	112.40	0.86	15.66	206.12	13.52
24	1:07	300.00	7.02	1042.69	33.35	0.31	15.64	202.31	13.52
25	1:10	325.00	7.02	1042.32	22.68	0.38	15.68	199.62	13.52
26	1:13	325.00	7.02	1042.47	25.80	0.23	15.67	199.07	13.52
27	1:16	325.00	7.02	1037.99	21.21	0.31	15.61	197.90	13.52
28	1:19	325.00	7.01	1042.51	23.47	0.36	15.58	197.86	13.52
29	1:22	325.00	7.01	1042.11	20.61	0.38	15.65	195.22	13.52
30	1:25	320.00	7.02	1039.51	15.67	0.40	15.71	193.39	13.52
31	1:28	320.00	7.02	1038.38	15.91	0.36	15.70	191.77	13.52
32	1:31	320.00	7.02	1037.25	12.10	0.40	15.67	193.12	13.52
33	1:34	320.00	7.03	1035.59	12.31	0.42	15.64	189.45	13.52
34	1:37	320.00	7.03	1034.34	10.27	0.39	15.61	188.79	13.52
35	1:40	320.00	7.03	1032.76	5.61	0.47	15.63	187.35	13.52
36	1:43	320.00	7.03	1032.14	4.64	0.37	15.57	186.80	13.52
37	1:46	320.00	7.03	1030.45	2.33	0.41	15.63	186.33	13.52
38	1:49	320.00	7.03	1028.92	2.47	0.33	15.65	182.72	13.52

Weather Conditions: 42 F Overcast

Purge Start Time: 08:22

Notes: Sample ID: MW-8-20241112, MW-8-20241112-DISS

QA/QC: Not Applicable

Volume Purged: 38 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-9
Date: 2024-11-13

Project Information:

Operator Name S. Kuntzman
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Grotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 28.40 ft
Initial Synoptic Depth to Water 16.97 ft

Pumping Information:

Average Purging Flow Rate* 188 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 22.70 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S}/\text{cm @25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	250.00	6.64	498.85	217.58	0.23	10.62	239.14	16.97
2	0:03	250.00	6.73	496.01	172.00	0.37	10.77	233.71	16.97
3	0:06	230.00	6.77	494.65	106.78	0.42	10.88	230.74	17.95
4	0:09	230.00	6.80	495.92	61.30	0.43	10.89	228.50	17.71
5	0:12	240.00	6.83	494.72	70.73	0.46	11.03	225.71	17.71
6	0:15	240.00	6.86	493.55	49.53	0.44	11.07	223.49	17.71
7	0:18	240.00	6.87	491.43	47.91	0.44	11.10	221.46	17.71
8	0:21	240.00	6.89	488.90	38.41	0.42	11.16	219.97	18.62
9	0:24	240.00	6.91	484.82	31.20	0.40	11.13	217.89	18.62
10	0:27	240.00	6.92	478.40	46.54	0.39	11.03	216.41	18.62
11	0:30	240.00	6.94	474.17	65.02	0.30	11.06	214.36	19.40
12	0:33	240.00	6.95	474.81	77.55	0.23	11.07	211.80	19.40
13	0:36	240.00	6.96	475.56	124.94	0.22	11.09	209.21	19.40
14	0:39	240.00	6.96	478.68	130.22	0.17	11.07	207.87	19.40
15	0:42	240.00	6.96	481.64	147.73	0.15	11.16	205.74	19.40
16	0:45	240.00	6.97	482.75	201.40	0.13	11.10	204.80	19.40
17	0:48	240.00	6.97	485.51	269.43	0.12	11.16	203.37	19.40
18	0:51	240.00	6.97	486.72	272.10	0.12	11.14	202.14	19.40
19	0:54	240.00	6.98	487.27	347.70	0.13	11.12	199.06	19.40
20	0:57	240.00	6.99	486.85	686.37	0.16	11.09	194.53	19.40
21	1:00	215.00	7.00	484.73	1883.72	0.28	11.16	192.11	20.23
22	1:03	215.00	7.02	483.17	3979.51	0.59	11.12	187.90	20.23
23	1:06	215.00	7.03	485.75	2467.57	0.63	11.06	190.45	20.23
24	1:09	215.00	7.03	487.91	1110.85	0.45	11.06	186.16	20.23
25	1:12	215.00	7.04	489.45	544.61	0.30	11.11	179.13	20.23
26	1:15	215.00	7.04	490.34	813.51	0.25	11.08	173.64	20.23
27	1:18	215.00	7.05	490.30	1181.80	0.23	11.07	167.61	20.23
28	1:21	215.00	7.05	490.42	1136.14	0.23	11.07	164.68	20.23
29	1:24	205.00	7.06	489.44	1223.30	0.23	11.03	153.83	20.23
30	1:27	205.00	7.05	490.00	1632.81	0.23	11.06	144.06	20.23
31	1:30	205.00	7.06	489.89	1377.31	0.22	11.07	136.90	20.23
32	1:33	205.00	7.06	489.38	1424.87	0.22	11.00	134.67	20.23
33	1:36	185.00	7.07	489.53	1212.95	0.23	11.12	125.73	20.23
34	1:39	185.00	7.07	489.47	1135.57	0.23	11.02	117.15	20.23
35	1:42	185.00	7.08	489.83	1154.07	0.24	10.94	95.64	20.23
36	1:45	185.00	7.08	489.97	1048.17	0.27	10.95	88.85	20.23
37	1:48	185.00	7.09	490.25	1177.48	0.27	10.93	65.39	20.23
38	1:51	185.00	7.09	489.59	1371.32	0.37	10.93	52.09	20.23
39	1:54	150.00	7.10	489.47	1373.64	0.43	10.87	38.11	20.23

Purge Record



Well ID: MW-9
Date: 2024-11-13

Project Information:

Operator Name: S. Kuntzman
 Company Name: August Mack Environmental, Inc
 Project Number: JY2380.372/4Q24 GWS
 Site Name: MSC Canfield
 Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Grotech Bladder
 Multimeter Type: Aqua TROLL 600
 Tubing / Bailer Type: LDPE
 Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
 Current Total Well Depth: 28.40 ft
 Initial Synoptic Depth to Water: 16.97 ft

Pumping Information:

Average Purging Flow Rate*: 188 (ml/min)
 Parameter Recording Rate: 180 sec
 Pump Placement from TOC: 22.70 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [μ S/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
40	1:57	150.00	7.10	490.08	1048.38	0.41	10.89	25.91	20.23
41	2:00	150.00	7.10	489.86	1190.97	0.45	10.93	13.45	20.23
42	2:03	150.00	7.10	489.81	1085.83	0.49	10.92	3.21	20.23
43	2:06	150.00	7.10	489.44	1028.19	0.59	10.94	-4.03	20.23
44	2:09	150.00	7.10	489.69	949.77	0.58	10.94	-8.25	20.23
45	2:12	150.00	7.11	489.37	542.66	0.67	10.91	-12.31	20.23
46	2:15	150.00	7.11	489.17	504.01	0.72	10.93	-16.28	20.23
47	2:18	150.00	7.12	488.76	510.24	0.83	10.93	-17.67	20.23
48	2:21	150.00	7.12	488.82	398.64	0.86	10.99	-20.97	20.23
49	2:24	150.00	7.12	489.11	281.37	0.81	11.05	-24.89	20.23
50	2:27	135.00	7.12	488.46	337.55	0.97	11.09	-26.32	20.23
51	2:30	135.00	7.13	488.36	217.47	0.98	11.05	-26.93	20.23
52	2:33	135.00	7.13	488.79	193.66	0.98	11.03	-28.21	20.23
53	2:36	135.00	7.13	489.12	314.29	0.89	11.05	-31.78	20.23
54	2:39	135.00	7.13	489.79	248.98	0.82	11.18	-34.55	20.23
55	2:42	135.00	7.13	490.02	181.73	0.79	11.07	-36.86	20.23
56	2:45	135.00	7.13	489.08	183.71	0.92	11.15	-37.82	20.23
57	2:48	135.00	7.13	488.81	194.12	0.95	11.11	-38.35	20.23
58	2:51	135.00	7.13	488.87	220.71	1.00	11.17	-38.88	20.23
59	2:54	135.00	7.13	488.85	297.62	0.96	11.18	-39.90	20.23
60	2:57	135.00	7.13	489.51	142.67	0.89	11.20	-41.20	20.23
61	3:00	135.00	7.13	488.89	186.76	1.03	11.27	-41.76	20.23
62	3:03	135.00	7.13	488.63	187.39	1.05	11.32	-41.67	20.23
63	3:06	135.00	7.14	487.93	107.61	1.15	11.32	-41.77	20.23
64	3:09	135.00	7.14	487.97	163.07	1.17	11.26	-41.82	20.23
65	3:12	135.00	7.14	488.46	154.10	1.14	11.27	-42.09	20.23
66	3:15	135.00	7.15	488.14	170.58	1.15	11.31	-43.03	20.23

Weather Conditions: 35 F Sunny

Purge Start Time: 09:31

Notes: Sample ID: MW-9-20241113, MW-9-20241113-DISS

QA/QC: DUP-2-20241113

Volume Purged: 38 L

Color/Odor: Greyish brown/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-10
Date: 2024-11-19

Project Information:

Operator Name T. Reynolds
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 26.44 ft
Initial Synoptic Depth to Water 14.00 ft

Pumping Information:

Average Purging Flow Rate* 170 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 19.00 ft

Low-Flow Sampling Stabilization Summary

	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S}/\text{cm @25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	170.00	6.85	507.10	69.76	2.00	12.15	219.18	14.15
2	0:03	170.00	6.88	504.10	88.07	0.30	12.11	214.81	14.15
3	0:06	170.00	6.91	504.13	86.28	0.19	12.08	218.16	14.15
4	0:09	180.00	6.94	502.76	84.87	0.21	12.06	219.85	14.15
5	0:12	170.00	6.96	501.93	69.64	0.17	12.05	221.02	14.15
6	0:15	170.00	6.98	501.44	58.73	0.14	12.04	220.06	14.15
7	0:18	170.00	6.99	500.91	46.25	0.11	12.02	220.28	14.15
8	0:21	170.00	7.00	500.65	63.08	0.08	11.99	218.98	14.15
9	0:24	170.00	7.00	500.48	70.11	0.07	11.97	217.74	14.15
10	0:27	170.00	7.01	499.19	55.75	0.07	11.96	217.26	14.15
11	0:30	170.00	7.01	498.54	54.01	0.06	11.94	216.45	14.15
12	0:33	170.00	7.01	499.25	60.97	0.05	11.93	216.30	14.15
13	0:36	170.00	7.01	499.04	38.13	0.05	11.93	215.30	14.15
14	0:39	170.00	7.02	498.78	42.57	0.05	11.91	214.53	14.15
15	0:42	170.00	7.02	498.56	44.57	0.04	11.91	212.62	14.15
16	0:45	170.00	7.03	498.35	27.08	0.03	11.92	212.10	14.15
17	0:48	170.00	7.03	498.14	22.42	0.03	11.95	208.98	14.15
18	0:51	170.00	7.03	498.03	16.54	0.03	11.98	207.91	14.15
19	0:54	170.00	7.04	497.92	20.55	0.03	11.97	207.24	14.15
20	0:57	170.00	7.04	497.35	15.50	0.02	11.99	206.02	14.15
21	1:00	170.00	7.04	497.11	14.42	0.02	12.00	202.84	14.15
22	1:03	170.00	7.05	496.73	14.15	0.03	11.99	201.42	14.15

Weather Conditions: 50 F Cloudy

Purge Start Time: 09:00

Sample ID: MW-10-20241119, MW-10-20241119

Notes:

QA/QC: Not Applicable

Volume Purged: 13 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-11
Date: 2024-11-19

Project Information:

Operator Name: N.Byrd
Company Name: August Mack Environmental, Inc
Project Number: JY2380.372/4Q24 GWS
Site Name: MSC Canfield
Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Geotech Bladder
Multimeter Type: Aqua TROLL 600
Tubing / Bailer Type: LDPE
Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
Current Total Well Depth: 25.31 ft
Initial Synoptic Depth to Water: 9.21 ft

Pumping Information:

Average Purging Flow Rate*: 175 (ml/min)
Parameter Recording Rate: 180 sec
Pump Placement from TOC: 17.00 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S/cm @25C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	175.00	7.05	377.11	1352.65	0.28	13.55	190.34	9.21
2	0:03	175.00	7.06	376.60	1027.16	0.17	13.44	189.00	9.21
3	0:06	175.00	7.07	375.74	1423.75	0.14	13.41	184.89	9.21
4	0:09	175.00	7.08	374.98	1323.60	0.12	13.40	182.67	9.21
5	0:12	175.00	7.09	375.49	1220.89	0.10	13.38	176.81	9.21
6	0:15	175.00	7.09	375.18	1065.47	0.09	13.36	168.32	9.21
7	0:18	175.00	7.10	377.71	963.18	0.08	13.38	162.44	9.21
8	0:21	175.00	7.10	376.11	859.65	0.07	13.37	149.96	9.21
9	0:24	175.00	7.10	378.43	776.86	0.07	13.38	139.60	9.21
10	0:27	175.00	7.11	377.33	661.63	0.06	13.39	127.33	9.21
11	0:30	175.00	7.11	377.09	578.58	0.06	13.32	108.08	9.21
12	0:33	175.00	7.11	377.71	509.99	0.06	13.27	89.03	9.21
13	0:36	175.00	7.11	379.10	424.90	0.06	13.26	74.05	9.21
14	0:39	175.00	7.11	379.07	414.79	0.05	13.26	53.30	9.21
15	0:42	175.00	7.10	379.29	460.41	0.04	13.25	37.28	9.21
16	0:45	175.00	7.09	378.78	355.79	0.04	13.26	22.27	9.21
17	0:48	175.00	7.09	378.04	282.32	0.04	13.23	10.47	9.21
18	0:51	175.00	7.10	378.38	448.06	0.03	13.21	-0.32	9.21
19	0:54	175.00	7.10	378.67	411.86	0.03	13.22	-10.37	9.21
20	0:57	175.00	7.11	378.30	276.35	0.03	13.24	-18.11	9.21
21	1:00	175.00	7.11	377.99	290.91	0.03	13.25	-24.77	9.21
22	1:03	175.00	7.11	377.97	192.57	0.03	13.25	-30.75	9.21
23	1:06	175.00	7.11	380.44	180.86	0.03	13.25	-35.10	9.21
24	1:09	175.00	7.12	379.51	197.62	0.02	13.26	-39.39	9.21
25	1:12	175.00	7.12	380.26	198.68	0.02	13.25	-42.96	9.21
26	1:15	175.00	7.12	379.01	210.61	0.02	13.25	-45.95	9.21
27	1:18	175.00	7.12	377.86	137.59	0.03	13.24	-48.12	9.21
28	1:21	175.00	7.12	378.20	166.26	0.02	13.22	-50.29	9.21
29	1:24	175.00	7.11	378.36	161.86	0.02	13.21	-51.57	9.21
30	1:27	175.00	7.10	380.47	96.52	0.02	13.19	-52.68	9.21
31	1:30	175.00	7.10	380.31	178.40	0.02	13.17	-54.29	9.21
32	1:33	175.00	7.11	380.08	145.69	0.01	13.16	-55.89	9.21
33	1:36	175.00	7.11	380.80	149.07	0.01	13.17	-57.32	9.21
34	1:39	175.00	7.11	381.12	166.58	0.01	13.17	-58.60	9.21
35	1:42	175.00	7.12	380.61	151.46	0.01	13.18	-59.79	9.21
36	1:45	175.00	7.12	379.15	93.47	0.01	13.18	-60.88	9.21
37	1:48	175.00	7.12	378.94	141.50	0.01	13.20	-61.93	9.21
38	1:51	175.00	7.12	378.82	110.98	0.01	13.21	-62.78	9.21
39	1:52	175.00	7.11	378.72	64.43	0.01	13.20	-62.16	9.21
40	1:55	175.00	7.11	378.31	120.36	0.01	13.19	-63.00	9.21
41	1:58	175.00	7.11	380.82	89.02	0.00	13.19	-63.85	9.21
42	2:01	175.00	7.12	380.87	122.65	0.01	13.19	-64.66	9.21
43	2:04	175.00	7.12	380.49	77.78	0.00	13.18	-65.20	9.21

Purge Record



Well ID: MW-11
Date: 2024-11-19

Project Information:

Operator Name: N.Byrd
Company Name: August Mack Environmental, Inc
Project Number: JY2380.372/4Q24 GWS
Site Name: MSC Canfield
Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Geotech Bladder
Multimeter Type: Aqua TROLL 600
Tubing / Bailer Type: LDPE
Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
Current Total Well Depth: 25.31 ft
Initial Synoptic Depth to Water: 9.21 ft

Pumping Information:

Average Purging Flow Rate*: 175 (ml/min)
Parameter Recording Rate: 180 sec
Pump Placement from TOC: 17.00 ft

Low-Flow Sampling Stabilization Summary

	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S}/\text{cm @ 25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft)
Stabilization Settings		< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
44	2:07	175.00	7.12	379.95	100.02	0.00	13.17	-65.82	9.21
45	2:10	175.00	7.12	379.89	92.02	0.01	13.17	-66.42	9.21
46	2:13	175.00	7.13	379.87	99.64	0.00	13.15	-66.98	9.21

Weather Conditions: 55 F Light rain
Purge Start Time: 11:30
Sample ID: MW-11-20241119, MW-11-20241119-DISS
Notes:
QA/QC: Not Applicable
Volume Purged: 26 L
Color/Odor: Clear/None
Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-12
Date: 2024-11-21

Project Information:

Operator Name T. Reynolds
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GWS
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Geotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 24.71 ft
Initial Synoptic Depth to Water 14.68 ft

Pumping Information:

Average Purging Flow Rate* 175 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 21.00 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [µS/cm @25C]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft)
		< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10	
1	0:00	175.00	6.68	528.66	1550.91	1.09	15.34	230.31	14.68
2	0:03	175.00	6.79	523.26	1416.54	0.37	15.97	221.65	14.68
3	0:06	175.00	6.89	522.35	1541.26	0.29	16.18	217.18	14.26
4	0:09	175.00	6.93	525.63	1158.06	0.24	16.20	215.17	14.26
5	0:12	175.00	6.96	525.35	913.36	0.22	16.37	214.93	14.31
6	0:15	175.00	6.93	523.48	1047.96	0.19	16.52	216.73	14.31
7	0:18	175.00	6.98	523.27	750.14	0.18	16.58	213.42	14.31
8	0:21	175.00	7.00	522.45	668.36	0.17	16.61	211.54	14.31
9	0:24	175.00	7.01	522.33	564.23	0.17	16.58	209.77	14.31
10	0:27	175.00	7.03	521.38	325.58	0.18	16.55	208.61	14.31
11	0:30	175.00	7.00	521.77	305.83	0.16	16.71	208.03	14.31
12	0:33	175.00	7.02	520.79	313.86	0.16	16.68	207.14	14.31
13	0:36	175.00	7.04	520.19	288.49	0.15	16.65	203.04	14.31
14	0:39	175.00	7.05	520.45	230.73	0.16	16.67	200.87	14.31
15	0:42	175.00	7.06	520.27	238.42	0.17	16.68	200.17	14.31
16	0:45	175.00	7.01	520.88	184.08	0.18	16.71	199.94	14.31
17	0:48	175.00	7.05	519.48	137.55	0.18	16.77	195.80	14.31
18	0:51	175.00	7.06	518.96	155.08	0.18	16.72	192.90	14.31
19	0:54	175.00	7.06	518.82	125.06	0.18	16.70	190.41	14.31
20	0:57	175.00	7.07	518.97	139.03	0.19	16.71	188.39	14.31
21	1:00	175.00	7.03	519.22	109.00	0.18	16.72	188.48	14.31
22	1:03	175.00	7.04	518.02	112.08	0.18	16.75	186.29	14.31
23	1:06	175.00	7.06	517.65	80.74	0.18	16.75	184.74	14.31
24	1:09	175.00	7.07	517.95	74.54	0.19	16.76	181.18	14.31
25	1:12	175.00	7.08	517.86	81.46	0.19	16.70	179.41	14.31
26	1:15	175.00	7.07	518.85	72.93	0.19	16.69	175.29	14.31
27	1:18	175.00	7.05	518.27	55.18	0.18	16.75	172.90	14.31
28	1:21	175.00	7.07	518.18	47.28	0.17	16.78	169.56	14.31
29	1:24	175.00	7.07	518.28	34.03	0.16	16.74	164.01	14.31
30	1:27	175.00	7.08	517.70	56.27	0.17	16.80	159.67	14.31
31	1:30	175.00	7.08	518.26	43.28	0.17	16.72	156.07	14.31
32	1:33	175.00	7.05	517.04	42.99	0.17	16.74	156.46	14.31
33	1:36	175.00	7.07	516.58	36.18	0.17	16.73	152.50	14.31
34	1:39	175.00	7.08	516.44	32.28	0.17	16.67	146.09	14.31
35	1:42	175.00	7.08	516.84	26.51	0.17	16.65	141.48	14.31
36	1:45	175.00	7.09	516.69	26.30	0.16	16.64	138.37	14.31
37	1:48	175.00	7.05	517.54	31.07	0.17	16.76	134.09	14.31
38	1:51	175.00	7.07	516.24	28.08	0.16	16.70	131.09	14.31
39	1:54	175.00	7.08	516.59	30.47	0.17	16.77	125.65	14.31

Weather Conditions: 35 F Snow

Purge Start Time: 08:34

Sample ID: MW-12-20241121, MW-12-20241121-DJSS

Notes:

QA/QC: Not Applicable

Volume Purged: 25 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-13
Date: 2024-11-12

Project Information:

Operator Name S. Kuntzman
Company Name August Mack Environmental, Inc
Project Number JY2380.372/4Q24 GW Sampling
Site Name MSC Canfield
Sampling Method Low-Flow

Equipment Information:

Pump Model/Type Grotech Bladder
Multimeter Type Aqua TROLL 600
Tubing / Bailer Type LDPE
Tubing / Bailer ID 0.25 in

Well Information:

Well Diameter 2 in
Current Total Well Depth 24.22 ft
Initial Synoptic Depth to Water 14.90 ft

Pumping Information:

Average Purging Flow Rate* 261 (ml/min)
Parameter Recording Rate 180 sec
Pump Placement from TOC 19.28 ft

Low-Flow Sampling Stabilization Summary

	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S/cm @25}^\circ\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
Stabilization Settings	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	290.00	7.02	3.54	0.00	10.65	10.23	249.14	14.90
2	0:03	290.00	6.57	936.23	114.04	0.51	16.58	233.77	15.21
3	0:06	255.00	6.68	934.69	66.31	0.32	16.73	224.60	15.21
4	0:09	255.00	6.74	936.32	25.15	0.28	16.76	219.91	15.21
5	0:12	255.00	6.76	938.12	28.85	0.26	16.80	218.71	15.21
6	0:15	255.00	6.77	939.22	12.63	0.25	16.77	218.53	15.21
7	0:18	255.00	6.77	940.98	16.19	0.24	16.76	218.10	15.26
8	0:21	255.00	6.77	942.16	12.70	0.23	16.81	218.00	15.26
9	0:24	255.00	6.77	942.81	6.85	0.22	16.77	217.49	15.26
10	0:27	255.00	6.78	943.81	4.93	0.22	16.74	216.66	15.26
11	0:30	255.00	6.74	943.02	4.35	0.21	16.70	217.72	15.26
12	0:33	255.00	6.74	944.85	4.98	0.21	16.75	217.01	15.26

Weather Conditions: 47 F Sunny

Purge Start Time: 14:25

Sample ID: MW-13-20241112, MW-13-20241112-DISS

Notes:

Volume Purged: 17.5 L

QA/QC: DUP-1-20241112

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-14
Date: 2024-11-12

Project Information:

Operator Name: S. Kuntzman
 Company Name: August Mack Environmental, Inc
 Project Number: JY2380.372/4Q24 GW Sampling
 Site Name: MSC Canfield
 Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Grotech Bladder
 Multimeter Type: Aqua TROLL 600
 Tubing / Bailer Type: LDPE
 Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
 Current Total Well Depth: 24.31 ft
 Initial Synoptic Depth to Water: 13.25 ft

Pumping Information:

Average Purging Flow Rate*: 248 (ml/min)
 Parameter Recording Rate: 180 sec
 Pump Placement from TOC: 19.25 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S}/\text{cm @}25\text{C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft.)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	255.00	7.20	403.18	376.20	1.89	13.29	177.50	13.48
2	0:03	255.00	7.10	408.98	269.43	0.23	13.84	170.67	13.48
3	0:06	255.00	7.07	422.45	244.33	0.15	14.00	163.89	13.55
4	0:09	255.00	7.06	427.32	111.65	0.13	13.94	161.90	13.59
5	0:12	260.00	7.05	432.55	96.11	0.11	13.89	157.12	13.55
6	0:15	260.00	7.05	436.17	58.66	0.10	13.87	154.85	13.55
7	0:18	260.00	7.04	438.34	31.38	0.08	13.93	152.80	13.55
8	0:21	260.00	7.04	439.92	36.14	0.08	13.94	151.44	13.60
9	0:24	260.00	7.04	441.07	30.32	0.07	13.91	149.58	13.60
10	0:27	260.00	7.03	442.14	14.56	0.07	13.92	147.41	13.60
11	0:30	240.00	7.03	445.04	17.27	0.06	13.90	143.09	13.60
12	0:33	240.00	7.03	445.04	16.81	0.06	13.88	139.86	13.60
13	0:36	240.00	7.02	445.09	9.92	0.06	13.89	135.79	13.60
14	0:39	240.00	7.02	445.48	8.34	0.05	13.92	130.13	13.60
15	0:42	240.00	6.99	444.93	8.41	0.05	13.82	126.84	13.60
16	0:45	240.00	6.99	446.07	7.22	0.05	13.85	122.19	13.60
17	0:48	240.00	7.00	445.71	6.93	0.05	13.86	119.93	13.60
18	0:51	240.00	7.00	445.83	3.63	0.05	13.90	117.45	13.60
19	0:54	240.00	7.01	444.96	3.81	0.05	13.86	114.84	13.60
20	0:57	240.00	7.01	445.46	5.68	0.05	13.88	112.69	13.60
21	1:00	240.00	7.01	445.68	2.91	0.05	13.83	109.60	13.60
22	1:03	240.00	7.01	445.85	4.05	0.05	13.84	108.09	13.60
23	1:06	240.00	7.01	446.18	4.89	0.05	13.88	105.67	13.60

Weather Conditions: 45 F Partially cloudy

Purge Start Time: 11:28

Sample ID: MW-14-20241112, MW-14-20241112-DISS

Notes:

QA/QC: Not Applicable

Volume Purged: 13 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

Purge Record



Well ID: MW-15
Date: 2024-11-20

Project Information:

Operator Name: N. Byrd
 Company Name: August Mack Environmental, Inc
 Project Number: JY2380.372/4Q24 GWS
 Site Name: MSC Canfield
 Sampling Method: Low-Flow

Equipment Information:

Pump Model/Type: Geotech Bladder
 Multimeter Type: Aqua TROLL 600
 Tubing / Bailer Type: LDPE
 Tubing / Bailer ID: 0.25 in

Well Information:

Well Diameter: 2 in
 Current Total Well Depth: 25.91 ft
 Initial Synoptic Depth to Water: 9.31 ft

Pumping Information:

Average Purging Flow Rate*: 150 (ml/min)
 Parameter Recording Rate: 180 sec
 Pump Placement from TOC: 21.00 ft

Low-Flow Sampling Stabilization Summary

Stabilization Settings	Purge Time	Flow Rate [ml/min]	pH	Cond [$\mu\text{S}/\text{cm @25C}$]	Turbidity (NTU)	DO [mg/L]	Temp [C]	ORP [mV]	Depth to Water (ft)
	< 500	+/-0.1	+/-3 %	+/-10 %	+/-10 %	+/-3%	+/-10		
1	0:00	150.00	6.81	755.57	226.73	0.60	15.11	178.05	9.31
2	0:03	150.00	6.82	751.01	272.32	0.34	15.43	170.50	9.31
3	0:06	150.00	6.83	749.84	250.90	0.25	15.39	163.95	9.31
4	0:09	150.00	6.84	745.97	267.49	0.27	15.42	159.13	9.31
5	0:12	150.00	6.85	744.45	379.32	0.23	15.44	154.68	9.31
6	0:15	150.00	6.83	742.55	239.14	0.45	15.55	146.62	9.31
7	0:18	150.00	6.83	740.74	153.10	0.22	15.68	142.70	9.31
8	0:21	150.00	6.84	738.91	211.39	0.21	15.58	138.31	9.31
9	0:24	150.00	6.85	738.34	172.30	0.37	15.59	130.07	9.31
10	0:27	150.00	6.85	738.48	146.86	0.21	15.55	123.64	9.31
11	0:30	150.00	6.85	738.37	197.64	0.18	15.53	117.19	9.31
12	0:33	150.00	6.82	738.26	111.71	0.25	15.51	114.19	9.31
13	0:35	150.00	6.83	737.47	152.21	0.17	15.62	108.13	9.31
14	0:38	150.00	6.84	737.54	101.72	0.16	15.60	110.77	9.31
15	0:41	150.00	6.85	737.23	105.58	0.24	15.62	106.33	9.31
16	0:44	150.00	6.85	737.20	95.72	0.17	15.69	99.67	9.31
17	0:47	150.00	6.85	737.22	94.95	0.15	15.72	94.05	9.31
18	0:50	150.00	6.82	736.89	73.44	0.14	15.61	94.65	9.31
19	0:53	150.00	6.66	1.30	0.00	6.28	13.57	81.44	9.31
20	0:56	150.00	6.83	739.07	79.41	1.91	15.22	46.77	9.31
21	0:59	150.00	6.86	736.37	80.88	0.24	15.48	30.45	9.31
22	1:02	150.00	6.86	735.89	64.99	0.16	15.42	22.55	9.31
23	1:05	150.00	6.83	737.27	56.49	0.13	15.59	19.73	9.31
24	1:08	150.00	6.84	735.25	56.30	0.12	15.66	15.38	9.31
25	1:11	150.00	6.85	735.29	58.15	0.11	15.58	9.75	9.31
26	1:14	150.00	6.86	735.33	58.57	0.11	15.57	4.21	9.31
27	1:17	150.00	6.86	735.11	54.03	0.10	15.66	-0.80	9.31
28	1:20	150.00	6.86	734.59	44.45	0.10	15.59	-4.95	9.31
29	1:23	150.00	6.83	734.61	44.37	0.10	15.66	-7.34	9.31
30	1:26	150.00	6.85	734.32	34.28	0.10	15.59	-12.64	9.31
31	1:29	150.00	6.85	734.32	34.52	0.10	15.58	-16.37	9.31
32	1:32	150.00	6.86	734.47	24.69	0.09	15.62	-19.53	9.31
33	1:35	150.00	6.86	734.54	32.75	0.10	15.54	-22.84	9.31
34	1:38	150.00	6.83	734.63	28.55	0.09	15.60	-23.75	9.31
35	1:41	150.00	6.84	733.86	37.94	0.09	15.61	-27.42	9.31
36	1:43	150.00	6.85	733.39	74.24	0.11	15.58	-29.33	9.31
37	1:46	150.00	6.85	733.17	12.57	0.09	15.60	-31.58	9.31
38	1:49	150.00	6.86	733.32	36.87	0.09	15.53	-33.34	9.31
39	1:52	150.00	6.86	733.46	27.28	0.09	15.55	-34.88	9.31
40	1:55	150.00	6.83	732.79	34.10	0.09	15.67	-34.48	9.31
41	1:58	150.00	6.84	732.03	27.68	0.08	15.73	-36.73	9.31

Weather Conditions: 40 F Cloudy

Purge Start Time: 21:33

Notes: Sample ID: MW-15-20241120, MW-15-20241120-DISS

QA/QC: Not Applicable

Volume Purged: 16 L

Color/Odor: Clear/None

Comments: None

* = Flow rates measured to the nearest 10 ml during low-flow sampling using graduated cylinder

ATTACHMENT C

Vapor Intrusion Field Data and Building Survey Checklists



VI Day of Event Building Survey

Project No: JY2380.372

Site: Material Sciences Corporation
460 West Main Street, Canfield
Client: Materials Sciences Corporation

IA

Sampling Site Status Update

Date	12/13/2024	Time	12:19
Sampling Address	460 West Main Street	Person Completing Survey	N. Crow
Company/Association	Material Sciences Corporation	Site Status Update (or within 6mths - provide detail on timing in notes)	Fresh paint or stain, Renovations, Significant cracks / Penetrations in basement floor / walls
Garage	Cleaners, chemicals, solvents present, Fuel can(s) present, Gas powered equip. stored inside	Secondary Heat Sources in use	Kerosene Heaters
Ambient Air & Wind Direction	West to East	Outdoor Air Sample Collected?	Yes
OA Sample placed upwind?	Yes		

Occupant-Specific Information

Date	12/13/2024	Time	12:22
Sensitive Populations	None	# of Occupants	30
# of adults (18-65)	30	Smoking	Cigarettes
Daily Frequency	N/A	Location	Outside
Solvents Used?	Work	Clothes Dry Cleaned?	None

During Sampling Event

Date	12/13/2024	Time	12:24
Construction Activities within 250 ft?	Yes	Occupants smoking near samples?	No
Windows closed during sampling event?	No	"Instructions for Occupant" provided?	Yes

Notes and General Observations

Notes and General Observations

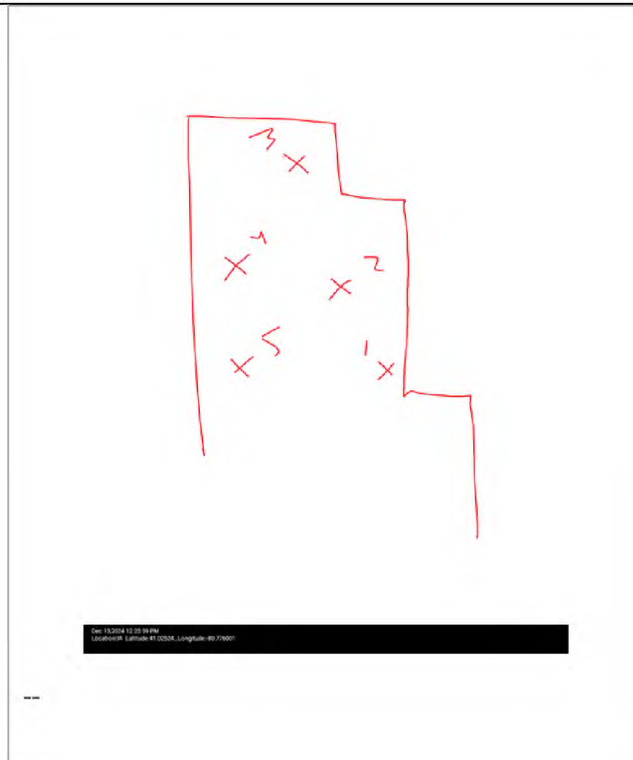
Chemical Inventory

VI Day of Event Building Survey

Site: Material Sciences Corporation
 460 West Main Street, Canfield
 Client: Materials Sciences Corporation

Date	Time	Typical Locations	Potential Background Contamination Source	Location of Source (floor / room)	Removed
12/13/24	12:26	Inside Structure	Bathroom Cleaners, Cleaning Supplies, Fuel Cans, Fuel Tank (Inside Building), Gas Powered Equipment, Other Household Cleaning Products:, Paints Paint Thinners Paint Strippers		No

Photos





Vapor Intrusion Building Survey (Initial Information)

Project Name:

Project Number:

Survey Date:

Sampling Address:

Person Completing Survey:

Company/ Association:

Information Provider (name/entity):

Phone:

Email:

Relation to Site: Owner Occupant Site Manager

Interviewed: Yes No

Mailing Address:

Building Construction:

- Stand Alone Single Family Attached Garage
- Single Family Attached to one or more buildings
- Multi-Family
- Commercial: One-Story
- Commercial: Multi-Story

Floors: (#)

Above Grade

Below Grade

Year Constructed:

- <1940 1940-1949 1950-1959
- 1960-1969 1970-1979 1980-1989
- 1990-1999 2000-2009 2010-Current
- Fire in history of structure

Sub-Level Construction (check all that apply):

Foundation Type:	<input type="checkbox"/> Basement <input type="checkbox"/> Crawlspace <input type="checkbox"/> Slab on Grade <input type="checkbox"/> Other:	Other Sub-Level Installations:
Basement Occupancy:	<input type="checkbox"/> Occasionally <input type="checkbox"/> Full Time <input type="checkbox"/> Almost Never <input type="checkbox"/> N/A	<input type="checkbox"/> Floor Drains <input type="checkbox"/> None
Floor Materials:	<input type="checkbox"/> Concrete <input type="checkbox"/> Dirt <input type="checkbox"/> Stone <input type="checkbox"/> Other:	<input type="checkbox"/> Moisture Barrier
Concrete Floor:	<input type="checkbox"/> Unsealed <input type="checkbox"/> Sealed <input type="checkbox"/> Sealed With:	<input type="checkbox"/> Radon System
Floor Covering:	<input type="checkbox"/> Uncovered <input type="checkbox"/> Covered <input type="checkbox"/> Describe:	<input type="checkbox"/> VI Mitigation System
Foundation Walls:	<input type="checkbox"/> Poured <input type="checkbox"/> Block <input type="checkbox"/> Stone <input type="checkbox"/> Other/NA	<input type="checkbox"/> Passive Vents/Louvers
Basement Finished:	<input type="checkbox"/> Unfinished <input type="checkbox"/> Finished <input type="checkbox"/> Partial Finish <input type="checkbox"/> Other/NA	<input type="checkbox"/> Perimeter Drainage System
Basement Moisture:	<input type="checkbox"/> Wet <input type="checkbox"/> Damp <input type="checkbox"/> Dry <input type="checkbox"/> Moldy	Construction Notes:
Sump Pump Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, is Water present?: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Water Supply:	<input type="checkbox"/> Public Water <input type="checkbox"/> Private Well <input type="checkbox"/> Other:	
Sewage Disposal:	<input type="checkbox"/> Public Sewer <input type="checkbox"/> Septic Tank <input type="checkbox"/> Leach Field	

Above-Grade Construction (check all that apply):

Interior Walls:	<input type="checkbox"/> Brick <input type="checkbox"/> Wood <input type="checkbox"/> Drywall <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other:	Yard: <input checked="" type="checkbox"/> Pavement
Exterior Walls:	<input type="checkbox"/> Brick <input type="checkbox"/> Wood <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other:	<input type="checkbox"/> Garden <input type="checkbox"/> Forested
Pressed Wood:	<input type="checkbox"/> Particleboard <input type="checkbox"/> Plywood <input type="checkbox"/> Fiberboard <input checked="" type="checkbox"/> None Observed	<input type="checkbox"/> Lawn <input type="checkbox"/> Other:

Heating System:	Furnace Location:	Fuel Source:	Cooktop:
<input type="checkbox"/> Gas Furnace <input type="checkbox"/> Radiator: Air <input checked="" type="checkbox"/> Kerosene <input type="checkbox"/> Hot Air Circ. <input type="checkbox"/> Radiator: Water <input type="checkbox"/> Radiant Floor <input type="checkbox"/> Heat Pump <input type="checkbox"/> Radiator: Steam <input type="checkbox"/> None <input type="checkbox"/> Wood Stove <input type="checkbox"/> Electric <input type="checkbox"/> Other	<input type="checkbox"/> Main Fl. <input type="checkbox"/> Basement <input type="checkbox"/> Outdoors	<input type="checkbox"/> Coal <input type="checkbox"/> Natural gas <input type="checkbox"/> Electric <input type="checkbox"/> Wood <input type="checkbox"/> Solar <input type="checkbox"/> Fuel Oil <input type="checkbox"/> Other	<input type="checkbox"/> Electric <input type="checkbox"/> Natural gas


Air Conditioning:	If Central Air:	Where:
<input checked="" type="checkbox"/> Central Air <input type="checkbox"/> Window Units <input type="checkbox"/> Range Exhaust Fan <input type="checkbox"/> Attic Fan <input type="checkbox"/> Ceiling Fans <input type="checkbox"/> Bathroom Vent Fan	<input checked="" type="checkbox"/> Refrigerative <input type="checkbox"/> Re-circulates Air <input type="checkbox"/> Evaporative <input type="checkbox"/> Outside Air	<input type="checkbox"/> Bedrooms <input checked="" type="checkbox"/> Entire Building <input type="checkbox"/> Offices <input type="checkbox"/> Living Area

Ambient Air Sources:

Nearby Vehicle Traffic:	Potential VOC Emission Sources: (describe)	Distance & Direction:
<input type="checkbox"/> Heavy Highway <input checked="" type="checkbox"/> Moderately Busy <input type="checkbox"/> Busy <input type="checkbox"/> Quiet Paved Road <input type="checkbox"/> Dirt Road	<input checked="" type="checkbox"/> Fueling Stations <input type="checkbox"/> Manufacturing Plants <input type="checkbox"/> Parking Lots <input type="checkbox"/> Emissions Stacks <input type="checkbox"/> None Observed <input type="checkbox"/> Drycleaners	<input type="checkbox"/> <500 ft <input checked="" type="checkbox"/> 1,000-2,000 ft <input type="checkbox"/> 500-1,000 ft <input type="checkbox"/> >2k ft & <1mi <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W

Notes:

VAPOR INTRUSION
FIELD SAMPLING DATA

	PROJECT NAME:	<i>Material Sciences Corporation</i>
	PROJECT NUMBER:	<i>JY2380.372</i>
	COMPANY:	<i>August Mack Environmental, Inc.</i>

Sample Street Address	Sample ID	Sampling Location Description	Canister Size	Canister #	Flow Regulator Serial #	Sample Start Date (MM/DD/YYYY)	Sample Start Time (HHMM)	Initial Vacuum ("Hg)	Sample End Date (MM/DD/YYYY)	Sample End Time (HHMM)	Final Vacuum ("Hg)	Instructions for occupant provided? (Y/N)	Instructions for occupant/tenant followed? (Y/N)	Windows open in sampling period? (Y/N)	Active construction in sampling period? (Y/N)	Precipitation during sampling period? (Y/N)	Helium Shroud Test Pass (Y/N)	Line Tightness Test Pass (Y/N)	Weather	NOTES
460 West Main Street, Canfield, Ohio	OA-460WMainCanfield-1-20241213	Wooded area northwest of facility building	6L	6L0364	24026	12/13/2025	10:27	-29	12/13/2025	18:27	-11	Y	NA	Y	Y	N	NA	NA	~20F, Partly Cloudy	N. Crow, M. Schaeffer
	IA-460WMainCanfield-1-20241213	Mid-portion of facility building	6L	6L1589	23941	12/13/2025	11:33	-29	12/13/2025	19:33	-5	Y	NA	Y	Y	N	NA	NA		
	IA-460WMainCanfield-2-20241213	Northeast portion of facility building	6L	6L2029	23154	12/13/2025	11:34	-28	12/13/2025	19:31	-6.5	Y	NA	Y	Y	N	NA	NA		
	IA-460WMainCanfield-3-20241213	Northmost portion of facility building	6L	6L1691	24283	12/13/2025	11:30	-30	12/13/2025	19:30	-10	Y	NA	Y	Y	N	NA	NA		
	IA-460WMainCanfield-4-20241213	South of IA-5	6L	6L2222	24697	12/13/2025	11:27	-30	12/13/2025	19:27	-7	Y	NA	Y	Y	N	NA	NA		
	IA-460WMainCanfield-5-20241213	Northwest portion of facility building	6L	6L0225	23744	12/13/2025	11:28	-27	12/13/2025	16:35	-4	Y	NA	Y	Y	N	NA	NA		

Notes & Abbreviations

"Hg = vacuum in inches of mercury

F = Degrees Fahrenheit; L = Liter

NA = Not Applicable

Any deviations from expected conditions are noted in the "Notes" section.

ATTACHMENT D

Laboratory Analytical Reports

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/2/2024 2:49:40 PM

JOB DESCRIPTION

MSC Canfield

JOB NUMBER

240-214826-1

Eurofins Cleveland

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
12/2/2024 2:49:40 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	10
Surrogate Summary	24
QC Sample Results	25
QC Association Summary	37
Lab Chronicle	40
Certification Summary	42
Chain of Custody	44
Receipt Checklists	48

Definitions/Glossary

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

Job ID: 240-214826-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*.	LCS and/or LCSD is outside acceptance limits, low biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
*.	LCS and/or LCSD is outside acceptance limits, low biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.

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

Case Narrative

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

Job ID: 240-214826-1

Job ID: 240-214826-1

Eurofins Cleveland

Job Narrative 240-214826-1

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 11/12/2024 5:01 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 2.8°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-635797 was outside the method criteria for the following analyte(s): Bromomethane, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-635797 recovered above the upper control limit for Carbon disulfide, Cyclohexane and Methyl tert-butyl ether. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-8-20241112 (240-214826-1), MW-14-20241112 (240-214826-2), TB-1-20241112 (240-214826-3) and (240-214852-C-1).

Method 8260D: The laboratory control sample (LCS) analyzed in batch 240-635797 was below the recovery control criteria for the following analyte(s): Dichlorodifluoromethane. This variance only affects results measured above the reporting limit. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. This demonstrates the analyte reporting limit is valid, and it is acceptable to report ND results (non-detects). The samples associated with the LCS were non-detects for the affected analytes; therefore, the results were reported. The following samples are impacted: MW-8-20241112 (240-214826-1), MW-14-20241112 (240-214826-2) and TB-1-20241112 (240-214826-3).

MW-8-20241112 (240-214826-1), MW-14-20241112 (240-214826-2) and TB-1-20241112 (240-214826-3)

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636141 recovered above the upper control limit for 4-Nitroaniline. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples were impacted: MW-8-20241112 (240-214826-1) and MW-14-20241112 (240-214826-2).

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636626.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636931 recovered outside acceptance criteria, low biased, for Phenol and 3 & 4 Methylphenol. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analytes, the data were reported.

Method 8270E: The laboratory control sample (LCS) for prep batch 240-635223 and samples MW-8-20241112 (240-214826-1) and MW-14-20241112 (240-214826-2) recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam. The associated sample(s) was re-prepared and re-analyzed outside holding time with all spike recoveries meeting acceptance criteria in the associated LCS. Both sets of results have been reported.

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

Eurofins Cleveland

Case Narrative

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

Job ID: 240-214826-1

Job ID: 240-214826-1 (Continued)

Eurofins Cleveland

PCBs

Method 8082A: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: MW-8-20241112 (240-214826-1), (240-214774-X-2-A), (240-214774-W-2-A MS) and (240-214774-W-2-B MSD).

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

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.

Eurofins Cleveland

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Method Summary

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

Job ID: 240-214826-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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



Sample Summary

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

Job ID: 240-214826-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
240-214826-1	MW-8-20241112	Water	11/12/24 10:12	11/12/24 17:01
240-214826-2	MW-14-20241112	Water	11/12/24 12:35	11/12/24 17:01
240-214826-3	TB-1-20241112	Water	11/12/24 15:09	11/12/24 17:01

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.15	J	0.20	0.14	ug/L	1		8270E	Total/NA
Fluoranthene	0.41		0.20	0.16	ug/L	1		8270E	Total/NA
Phenanthrene	0.22		0.20	0.080	ug/L	1		8270E	Total/NA
Pyrene	0.63		0.20	0.083	ug/L	1		8270E	Total/NA
Fluoranthene - RE	0.31	H	0.20	0.16	ug/L	1		8270E	Total/NA
Pyrene - RE	0.49	H	0.20	0.083	ug/L	1		8270E	Total/NA
Barium	62	J B	200	1.3	ug/L	1		6010D	Total Recoverable
Cadmium	0.49	J	5.0	0.45	ug/L	1		6010D	Total Recoverable
Chromium	3.6	J	10	0.76	ug/L	1		6010D	Total Recoverable
Barium	62	J B	200	1.3	ug/L	1		6010D	Dissolved
Cadmium	0.45	J	5.0	0.45	ug/L	1		6010D	Dissolved
Chromium	1.7	J	10	0.76	ug/L	1		6010D	Dissolved
Cyanide, Total	0.022		0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	41	J B	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	0.82	J	10	0.76	ug/L	1		6010D	Total Recoverable
Barium	38	J B	200	1.3	ug/L	1		6010D	Dissolved
Cyanide, Total	0.021		0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: TB-1-20241112

Lab Sample ID: 240-214826-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 21:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/19/24 21:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/19/24 21:07	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 21:07	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/19/24 21:07	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/19/24 21:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/19/24 21:07	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/19/24 21:07	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/19/24 21:07	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/19/24 21:07	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/19/24 21:07	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/19/24 21:07	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/19/24 21:07	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/19/24 21:07	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/19/24 21:07	1
2-Hexanone	ND		10	1.1	ug/L			11/19/24 21:07	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/19/24 21:07	1
Acetone	ND		10	5.4	ug/L			11/19/24 21:07	1
Benzene	ND		1.0	0.42	ug/L			11/19/24 21:07	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/19/24 21:07	1
Bromoform	ND		1.0	0.76	ug/L			11/19/24 21:07	1
Bromomethane	ND		1.0	0.42	ug/L			11/19/24 21:07	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/19/24 21:07	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/19/24 21:07	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/19/24 21:07	1
Chloroethane	ND		1.0	0.83	ug/L			11/19/24 21:07	1
Chloroform	ND		1.0	0.47	ug/L			11/19/24 21:07	1
Chloromethane	ND		1.0	0.63	ug/L			11/19/24 21:07	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/19/24 21:07	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/19/24 21:07	1
Cyclohexane	ND		1.0	0.48	ug/L			11/19/24 21:07	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/19/24 21:07	1
Dichlorodifluoromethane	ND	*	1.0	0.35	ug/L			11/19/24 21:07	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/19/24 21:07	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/19/24 21:07	1
Methyl acetate	ND		10	1.7	ug/L			11/19/24 21:07	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/19/24 21:07	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/19/24 21:07	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/19/24 21:07	1
Styrene	ND		1.0	0.45	ug/L			11/19/24 21:07	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/19/24 21:07	1
Toluene	ND		1.0	0.44	ug/L			11/19/24 21:07	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/19/24 21:07	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/19/24 21:07	1
Trichloroethene	ND		1.0	0.44	ug/L			11/19/24 21:07	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/19/24 21:07	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/19/24 21:07	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/19/24 21:07	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		78 - 122		11/19/24 21:07	1
Dibromofluoromethane (Surr)	86		73 - 120		11/19/24 21:07	1
4-Bromofluorobenzene (Surr)	103		56 - 136		11/19/24 21:07	1
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		11/19/24 21:07	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 09:51	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/14/24 08:57	11/21/24 09:51	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/14/24 08:57	11/21/24 09:51	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/14/24 08:57	11/21/24 09:51	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 09:51	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 09:51	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/14/24 08:57	11/21/24 09:51	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/14/24 08:57	11/21/24 09:51	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/14/24 08:57	11/21/24 09:51	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/14/24 08:57	11/21/24 09:51	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/14/24 08:57	11/21/24 09:51	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/14/24 08:57	11/21/24 09:51	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/14/24 08:57	11/21/24 09:51	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/14/24 08:57	11/21/24 09:51	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/14/24 08:57	11/21/24 09:51	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/14/24 08:57	11/21/24 09:51	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/14/24 08:57	11/21/24 09:51	1
4-Nitrophenol	ND		10	2.2	ug/L		11/14/24 08:57	11/21/24 09:51	1
Acenaphthene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 09:51	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/14/24 08:57	11/21/24 09:51	1
Acetophenone	ND		1.0	0.37	ug/L		11/14/24 08:57	11/21/24 09:51	1
Anthracene	0.15	J	0.20	0.14	ug/L		11/14/24 08:57	11/21/24 09:51	1
Atrazine	ND	*-	2.0	0.95	ug/L		11/14/24 08:57	11/21/24 09:51	1
Benzaldehyde	ND	*-	2.0	0.76	ug/L		11/14/24 08:57	11/21/24 09:51	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/14/24 08:57	11/21/24 09:51	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 09:51	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 09:51	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/14/24 08:57	11/21/24 09:51	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 09:51	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/14/24 08:57	11/21/24 09:51	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 09:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/14/24 08:57	11/21/24 09:51	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/14/24 08:57	11/21/24 09:51	1
Caprolactam	ND	*-	5.0	3.8	ug/L		11/14/24 08:57	11/21/24 09:51	1
Carbazole	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 09:51	1
Chrysene	ND		0.20	0.066	ug/L		11/14/24 08:57	11/21/24 09:51	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 09:51	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 09:51	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/14/24 08:57	11/21/24 09:51	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/14/24 08:57	11/21/24 09:51	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 09:51	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/14/24 08:57	11/21/24 09:51	1
Fluoranthene	0.41		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 09:51	1
Fluorene	ND		0.20	0.079	ug/L		11/14/24 08:57	11/21/24 09:51	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 09:51	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/14/24 08:57	11/21/24 09:51	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/14/24 08:57	11/21/24 09:51	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 09:51	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 09:51	1
Isophorone	ND		1.0	0.32	ug/L		11/14/24 08:57	11/21/24 09:51	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/14/24 08:57	11/21/24 09:51	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/14/24 08:57	11/21/24 09:51	1
Naphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 09:51	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/14/24 08:57	11/21/24 09:51	1
Pentachlorophenol	ND		10	3.1	ug/L		11/14/24 08:57	11/21/24 09:51	1
Phenanthrene	0.22		0.20	0.080	ug/L		11/14/24 08:57	11/21/24 09:51	1
Phenol	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 09:51	1
Pyrene	0.63		0.20	0.083	ug/L		11/14/24 08:57	11/21/24 09:51	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/14/24 08:57	11/21/24 09:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	88		43 - 136	11/14/24 08:57	11/21/24 09:51	1
Phenol-d5 (Surr)	75		10 - 120	11/14/24 08:57	11/21/24 09:51	1
Nitrobenzene-d5 (Surr)	76		40 - 120	11/14/24 08:57	11/21/24 09:51	1
2-Fluorophenol (Surr)	93		10 - 127	11/14/24 08:57	11/21/24 09:51	1
2-Fluorobiphenyl (Surr)	83		41 - 120	11/14/24 08:57	11/21/24 09:51	1
2,4,6-Tribromophenol (Surr)	100		23 - 127	11/14/24 08:57	11/21/24 09:51	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	1.0	0.49	ug/L		11/25/24 09:58	11/27/24 09:58	1
bis (2-chloroisopropyl) ether	ND	H	1.0	0.24	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,4,5-Trichlorophenol	ND	H	5.0	2.0	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,4,6-Trichlorophenol	ND	H	5.0	1.8	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,4-Dichlorophenol	ND	H	2.0	0.26	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,4-Dimethylphenol	ND	H	2.0	0.25	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,4-Dinitrophenol	ND	H	10	2.6	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,4-Dinitrotoluene	ND	H	5.0	2.1	ug/L		11/25/24 09:58	11/27/24 09:58	1
2,6-Dinitrotoluene	ND	H	5.0	1.1	ug/L		11/25/24 09:58	11/27/24 09:58	1
2-Chloronaphthalene	ND	H	1.0	0.23	ug/L		11/25/24 09:58	11/27/24 09:58	1
2-Chlorophenol	ND	H	1.0	0.27	ug/L		11/25/24 09:58	11/27/24 09:58	1
2-Methylnaphthalene	ND	H	0.20	0.11	ug/L		11/25/24 09:58	11/27/24 09:58	1
2-Methylphenol	ND	H	1.0	0.21	ug/L		11/25/24 09:58	11/27/24 09:58	1
2-Nitroaniline	ND	H	2.0	0.51	ug/L		11/25/24 09:58	11/27/24 09:58	1
2-Nitrophenol	ND	H	2.0	0.56	ug/L		11/25/24 09:58	11/27/24 09:58	1
3,3'-Dichlorobenzidine	ND	H	5.0	1.2	ug/L		11/25/24 09:58	11/27/24 09:58	1
3-Nitroaniline	ND	H	2.0	0.57	ug/L		11/25/24 09:58	11/27/24 09:58	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	H	5.0	2.8	ug/L		11/25/24 09:58	11/27/24 09:58	1
4-Bromophenyl phenyl ether	ND	H	2.0	0.50	ug/L		11/25/24 09:58	11/27/24 09:58	1
4-Chloro-3-methylphenol	ND	H	2.0	0.30	ug/L		11/25/24 09:58	11/27/24 09:58	1
4-Chloroaniline	ND	H	2.0	0.32	ug/L		11/25/24 09:58	11/27/24 09:58	1
4-Chlorophenyl phenyl ether	ND	H	2.0	0.55	ug/L		11/25/24 09:58	11/27/24 09:58	1
4-Nitroaniline	ND	H	2.0	0.33	ug/L		11/25/24 09:58	11/27/24 09:58	1
4-Nitrophenol	ND	H	10	2.2	ug/L		11/25/24 09:58	11/27/24 09:58	1
Acenaphthene	ND	H	0.20	0.17	ug/L		11/25/24 09:58	11/27/24 09:58	1
Acenaphthylene	ND	H	0.20	0.13	ug/L		11/25/24 09:58	11/27/24 09:58	1
Acetophenone	ND	H	1.0	0.37	ug/L		11/25/24 09:58	11/27/24 09:58	1
Anthracene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 09:58	1
Atrazine	ND	H	2.0	0.95	ug/L		11/25/24 09:58	11/27/24 09:58	1
Benzaldehyde	ND	H	2.0	0.76	ug/L		11/25/24 09:58	11/27/24 09:58	1
Benzo[a]anthracene	ND	H	0.20	0.068	ug/L		11/25/24 09:58	11/27/24 09:58	1
Benzo[a]pyrene	ND	H	0.20	0.17	ug/L		11/25/24 09:58	11/27/24 09:58	1
Benzo[b]fluoranthene	ND	H	0.20	0.15	ug/L		11/25/24 09:58	11/27/24 09:58	1
Benzo[g,h,i]perylene	ND	H	0.20	0.18	ug/L		11/25/24 09:58	11/27/24 09:58	1
Benzo[k]fluoranthene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 09:58	1
Bis(2-chloroethoxy)methane	ND	H	1.0	0.22	ug/L		11/25/24 09:58	11/27/24 09:58	1
Bis(2-chloroethyl)ether	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 09:58	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/25/24 09:58	11/27/24 09:58	1
Butyl benzyl phthalate	ND	H	2.0	0.67	ug/L		11/25/24 09:58	11/27/24 09:58	1
Caprolactam	ND	H	5.0	3.8	ug/L		11/25/24 09:58	11/27/24 09:58	1
Carbazole	ND	H	1.0	0.49	ug/L		11/25/24 09:58	11/27/24 09:58	1
Chrysene	ND	H	0.20	0.066	ug/L		11/25/24 09:58	11/27/24 09:58	1
Dibenz(a,h)anthracene	ND	H	0.20	0.15	ug/L		11/25/24 09:58	11/27/24 09:58	1
Dibenzofuran	ND	H	1.0	0.27	ug/L		11/25/24 09:58	11/27/24 09:58	1
Diethyl phthalate	ND	H	5.0	0.41	ug/L		11/25/24 09:58	11/27/24 09:58	1
Dimethyl phthalate	ND	H	2.0	0.52	ug/L		11/25/24 09:58	11/27/24 09:58	1
Di-n-butyl phthalate	ND	H	5.0	1.8	ug/L		11/25/24 09:58	11/27/24 09:58	1
Di-n-octyl phthalate	ND	H	2.0	0.82	ug/L		11/25/24 09:58	11/27/24 09:58	1
Fluoranthene	0.31	H	0.20	0.16	ug/L		11/25/24 09:58	11/27/24 09:58	1
Fluorene	ND	H	0.20	0.079	ug/L		11/25/24 09:58	11/27/24 09:58	1
Hexachlorobenzene	ND	H	0.20	0.16	ug/L		11/25/24 09:58	11/27/24 09:58	1
Hexachlorobutadiene	ND	H	1.0	0.54	ug/L		11/25/24 09:58	11/27/24 09:58	1
Hexachlorocyclopentadiene	ND	H	10	1.8	ug/L		11/25/24 09:58	11/27/24 09:58	1
Hexachloroethane	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 09:58	1
Indeno[1,2,3-cd]pyrene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 09:58	1
Isophorone	ND	H	1.0	0.32	ug/L		11/25/24 09:58	11/27/24 09:58	1
N-Nitrosodi-n-propylamine	ND	H	1.0	0.25	ug/L		11/25/24 09:58	11/27/24 09:58	1
N-Nitrosodiphenylamine	ND	H	1.0	0.44	ug/L		11/25/24 09:58	11/27/24 09:58	1
Naphthalene	ND	H	0.20	0.11	ug/L		11/25/24 09:58	11/27/24 09:58	1
Nitrobenzene	ND	H	1.0	0.51	ug/L		11/25/24 09:58	11/27/24 09:58	1
Pentachlorophenol	ND	H	10	3.1	ug/L		11/25/24 09:58	11/27/24 09:58	1
Phenanthrene	ND	H	0.20	0.080	ug/L		11/25/24 09:58	11/27/24 09:58	1
Phenol	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 09:58	1
Pyrene	0.49	H	0.20	0.083	ug/L		11/25/24 09:58	11/27/24 09:58	1
3 & 4 Methylphenol	ND	H	2.0	0.19	ug/L		11/25/24 09:58	11/27/24 09:58	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	76		43 - 136	11/25/24 09:58	11/27/24 09:58	1
Phenol-d5 (Surr)	68		10 - 120	11/25/24 09:58	11/27/24 09:58	1
Nitrobenzene-d5 (Surr)	69		40 - 120	11/25/24 09:58	11/27/24 09:58	1
2-Fluorophenol (Surr)	72		10 - 127	11/25/24 09:58	11/27/24 09:58	1
2-Fluorobiphenyl (Surr)	70		41 - 120	11/25/24 09:58	11/27/24 09:58	1
2,4,6-Tribromophenol (Surr)	98		23 - 127	11/25/24 09:58	11/27/24 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.096	0.054	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1221	ND		0.096	0.055	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1232	ND		0.096	0.071	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1242	ND		0.096	0.073	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1248	ND		0.096	0.048	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1254	ND		0.096	0.038	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1260	ND		0.096	0.044	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1262	ND		0.096	0.056	ug/L		11/14/24 08:36	11/14/24 20:39	1
Aroclor-1268	ND		0.096	0.060	ug/L		11/14/24 08:36	11/14/24 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	60		10 - 149	11/14/24 08:36	11/14/24 20:39	1
DCB Decachlorobiphenyl	65		10 - 174	11/14/24 08:36	11/14/24 20:39	1

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		11/14/24 14:00	11/16/24 23:59	1
Barium	62	J B	200	1.3	ug/L		11/14/24 14:00	11/16/24 23:59	1
Cadmium	0.49	J	5.0	0.45	ug/L		11/14/24 14:00	11/16/24 23:59	1
Chromium	3.6	J	10	0.76	ug/L		11/14/24 14:00	11/16/24 23:59	1
Copper	ND		25	3.5	ug/L		11/14/24 14:00	11/16/24 23:59	1
Lead	ND		10	2.8	ug/L		11/14/24 14:00	11/16/24 23:59	1
Selenium	ND		20	6.0	ug/L		11/14/24 14:00	11/16/24 23:59	1
Silver	ND		10	1.4	ug/L		11/14/24 14:00	11/16/24 23:59	1
Zinc	ND		50	23	ug/L		11/14/24 14:00	11/16/24 23:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/14/24 14:00	11/17/24 00:03	1
Barium	62	J B	200	1.3	ug/L		11/14/24 14:00	11/17/24 00:03	1
Cadmium	0.45	J	5.0	0.45	ug/L		11/14/24 14:00	11/17/24 00:03	1
Chromium	1.7	J	10	0.76	ug/L		11/14/24 14:00	11/17/24 00:03	1
Copper	ND		25	3.5	ug/L		11/14/24 14:00	11/17/24 00:03	1
Lead	ND		10	2.8	ug/L		11/14/24 14:00	11/17/24 00:03	1
Selenium	ND		20	6.0	ug/L		11/14/24 14:00	11/17/24 00:03	1
Silver	ND		10	1.4	ug/L		11/14/24 14:00	11/17/24 00:03	1
Zinc	ND		50	23	ug/L		11/14/24 14:00	11/17/24 00:03	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		11/14/24 16:00	11/15/24 15:10	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/14/24 16:00	11/15/24 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.022		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 16:54	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			11/25/24 13:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/13/24 07:55	1



Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 21:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/19/24 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/19/24 21:33	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 21:33	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/19/24 21:33	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/19/24 21:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/19/24 21:33	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/19/24 21:33	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/19/24 21:33	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/19/24 21:33	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/19/24 21:33	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/19/24 21:33	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/19/24 21:33	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/19/24 21:33	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/19/24 21:33	1
2-Hexanone	ND		10	1.1	ug/L			11/19/24 21:33	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/19/24 21:33	1
Acetone	ND		10	5.4	ug/L			11/19/24 21:33	1
Benzene	ND		1.0	0.42	ug/L			11/19/24 21:33	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/19/24 21:33	1
Bromoform	ND		1.0	0.76	ug/L			11/19/24 21:33	1
Bromomethane	ND		1.0	0.42	ug/L			11/19/24 21:33	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/19/24 21:33	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/19/24 21:33	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/19/24 21:33	1
Chloroethane	ND		1.0	0.83	ug/L			11/19/24 21:33	1
Chloroform	ND		1.0	0.47	ug/L			11/19/24 21:33	1
Chloromethane	ND		1.0	0.63	ug/L			11/19/24 21:33	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/19/24 21:33	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/19/24 21:33	1
Cyclohexane	ND		1.0	0.48	ug/L			11/19/24 21:33	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/19/24 21:33	1
Dichlorodifluoromethane	ND	*	1.0	0.35	ug/L			11/19/24 21:33	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/19/24 21:33	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/19/24 21:33	1
Methyl acetate	ND		10	1.7	ug/L			11/19/24 21:33	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/19/24 21:33	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/19/24 21:33	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/19/24 21:33	1
Styrene	ND		1.0	0.45	ug/L			11/19/24 21:33	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/19/24 21:33	1
Toluene	ND		1.0	0.44	ug/L			11/19/24 21:33	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/19/24 21:33	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/19/24 21:33	1
Trichloroethene	ND		1.0	0.44	ug/L			11/19/24 21:33	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/19/24 21:33	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/19/24 21:33	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/19/24 21:33	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		78 - 122		11/19/24 21:33	1
Dibromofluoromethane (Surr)	84		73 - 120		11/19/24 21:33	1
4-Bromofluorobenzene (Surr)	100		56 - 136		11/19/24 21:33	1
1,2-Dichloroethane-d4 (Surr)	96		62 - 137		11/19/24 21:33	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 10:14	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/14/24 08:57	11/21/24 10:14	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/14/24 08:57	11/21/24 10:14	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/14/24 08:57	11/21/24 10:14	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 10:14	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 10:14	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/14/24 08:57	11/21/24 10:14	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/14/24 08:57	11/21/24 10:14	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/14/24 08:57	11/21/24 10:14	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/14/24 08:57	11/21/24 10:14	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/14/24 08:57	11/21/24 10:14	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/14/24 08:57	11/21/24 10:14	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/14/24 08:57	11/21/24 10:14	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/14/24 08:57	11/21/24 10:14	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/14/24 08:57	11/21/24 10:14	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/14/24 08:57	11/21/24 10:14	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/14/24 08:57	11/21/24 10:14	1
4-Nitrophenol	ND		10	2.2	ug/L		11/14/24 08:57	11/21/24 10:14	1
Acenaphthene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 10:14	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/14/24 08:57	11/21/24 10:14	1
Acetophenone	ND		1.0	0.37	ug/L		11/14/24 08:57	11/21/24 10:14	1
Anthracene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 10:14	1
Atrazine	ND	*-	2.0	0.95	ug/L		11/14/24 08:57	11/21/24 10:14	1
Benzaldehyde	ND	*-	2.0	0.76	ug/L		11/14/24 08:57	11/21/24 10:14	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/14/24 08:57	11/21/24 10:14	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 10:14	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 10:14	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/14/24 08:57	11/21/24 10:14	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 10:14	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/14/24 08:57	11/21/24 10:14	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 10:14	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/14/24 08:57	11/21/24 10:14	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/14/24 08:57	11/21/24 10:14	1
Caprolactam	ND	*-	5.0	3.8	ug/L		11/14/24 08:57	11/21/24 10:14	1
Carbazole	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 10:14	1
Chrysene	ND		0.20	0.066	ug/L		11/14/24 08:57	11/21/24 10:14	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 10:14	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 10:14	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/14/24 08:57	11/21/24 10:14	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/14/24 08:57	11/21/24 10:14	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 10:14	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/14/24 08:57	11/21/24 10:14	1
Fluoranthene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 10:14	1
Fluorene	ND		0.20	0.079	ug/L		11/14/24 08:57	11/21/24 10:14	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 10:14	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/14/24 08:57	11/21/24 10:14	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/14/24 08:57	11/21/24 10:14	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 10:14	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 10:14	1
Isophorone	ND		1.0	0.32	ug/L		11/14/24 08:57	11/21/24 10:14	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/14/24 08:57	11/21/24 10:14	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/14/24 08:57	11/21/24 10:14	1
Naphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 10:14	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/14/24 08:57	11/21/24 10:14	1
Pentachlorophenol	ND		10	3.1	ug/L		11/14/24 08:57	11/21/24 10:14	1
Phenanthrene	ND		0.20	0.080	ug/L		11/14/24 08:57	11/21/24 10:14	1
Phenol	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 10:14	1
Pyrene	ND		0.20	0.083	ug/L		11/14/24 08:57	11/21/24 10:14	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/14/24 08:57	11/21/24 10:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	88		43 - 136	11/14/24 08:57	11/21/24 10:14	1
Phenol-d5 (Surr)	78		10 - 120	11/14/24 08:57	11/21/24 10:14	1
Nitrobenzene-d5 (Surr)	75		40 - 120	11/14/24 08:57	11/21/24 10:14	1
2-Fluorophenol (Surr)	100		10 - 127	11/14/24 08:57	11/21/24 10:14	1
2-Fluorobiphenyl (Surr)	78		41 - 120	11/14/24 08:57	11/21/24 10:14	1
2,4,6-Tribromophenol (Surr)	91		23 - 127	11/14/24 08:57	11/21/24 10:14	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	1.0	0.49	ug/L		11/25/24 09:58	11/27/24 10:21	1
bis (2-chloroisopropyl) ether	ND	H	1.0	0.24	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,4,5-Trichlorophenol	ND	H	5.0	2.0	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,4,6-Trichlorophenol	ND	H	5.0	1.8	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,4-Dichlorophenol	ND	H	2.0	0.26	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,4-Dimethylphenol	ND	H	2.0	0.25	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,4-Dinitrophenol	ND	H	10	2.6	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,4-Dinitrotoluene	ND	H	5.0	2.1	ug/L		11/25/24 09:58	11/27/24 10:21	1
2,6-Dinitrotoluene	ND	H	5.0	1.1	ug/L		11/25/24 09:58	11/27/24 10:21	1
2-Chloronaphthalene	ND	H	1.0	0.23	ug/L		11/25/24 09:58	11/27/24 10:21	1
2-Chlorophenol	ND	H	1.0	0.27	ug/L		11/25/24 09:58	11/27/24 10:21	1
2-Methylnaphthalene	ND	H	0.20	0.11	ug/L		11/25/24 09:58	11/27/24 10:21	1
2-Methylphenol	ND	H	1.0	0.21	ug/L		11/25/24 09:58	11/27/24 10:21	1
2-Nitroaniline	ND	H	2.0	0.51	ug/L		11/25/24 09:58	11/27/24 10:21	1
2-Nitrophenol	ND	H	2.0	0.56	ug/L		11/25/24 09:58	11/27/24 10:21	1
3,3'-Dichlorobenzidine	ND	H	5.0	1.2	ug/L		11/25/24 09:58	11/27/24 10:21	1
3-Nitroaniline	ND	H	2.0	0.57	ug/L		11/25/24 09:58	11/27/24 10:21	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	H	5.0	2.8	ug/L		11/25/24 09:58	11/27/24 10:21	1
4-Bromophenyl phenyl ether	ND	H	2.0	0.50	ug/L		11/25/24 09:58	11/27/24 10:21	1
4-Chloro-3-methylphenol	ND	H	2.0	0.30	ug/L		11/25/24 09:58	11/27/24 10:21	1
4-Chloroaniline	ND	H	2.0	0.32	ug/L		11/25/24 09:58	11/27/24 10:21	1
4-Chlorophenyl phenyl ether	ND	H	2.0	0.55	ug/L		11/25/24 09:58	11/27/24 10:21	1
4-Nitroaniline	ND	H	2.0	0.33	ug/L		11/25/24 09:58	11/27/24 10:21	1
4-Nitrophenol	ND	H	10	2.2	ug/L		11/25/24 09:58	11/27/24 10:21	1
Acenaphthene	ND	H	0.20	0.17	ug/L		11/25/24 09:58	11/27/24 10:21	1
Acenaphthylene	ND	H	0.20	0.13	ug/L		11/25/24 09:58	11/27/24 10:21	1
Acetophenone	ND	H	1.0	0.37	ug/L		11/25/24 09:58	11/27/24 10:21	1
Anthracene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 10:21	1
Atrazine	ND	H	2.0	0.95	ug/L		11/25/24 09:58	11/27/24 10:21	1
Benzaldehyde	ND	H	2.0	0.76	ug/L		11/25/24 09:58	11/27/24 10:21	1
Benzo[a]anthracene	ND	H	0.20	0.068	ug/L		11/25/24 09:58	11/27/24 10:21	1
Benzo[a]pyrene	ND	H	0.20	0.17	ug/L		11/25/24 09:58	11/27/24 10:21	1
Benzo[b]fluoranthene	ND	H	0.20	0.15	ug/L		11/25/24 09:58	11/27/24 10:21	1
Benzo[g,h,i]perylene	ND	H	0.20	0.18	ug/L		11/25/24 09:58	11/27/24 10:21	1
Benzo[k]fluoranthene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 10:21	1
Bis(2-chloroethoxy)methane	ND	H	1.0	0.22	ug/L		11/25/24 09:58	11/27/24 10:21	1
Bis(2-chloroethyl)ether	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 10:21	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/25/24 09:58	11/27/24 10:21	1
Butyl benzyl phthalate	ND	H	2.0	0.67	ug/L		11/25/24 09:58	11/27/24 10:21	1
Caprolactam	ND	H	5.0	3.8	ug/L		11/25/24 09:58	11/27/24 10:21	1
Carbazole	ND	H	1.0	0.49	ug/L		11/25/24 09:58	11/27/24 10:21	1
Chrysene	ND	H	0.20	0.066	ug/L		11/25/24 09:58	11/27/24 10:21	1
Dibenz(a,h)anthracene	ND	H	0.20	0.15	ug/L		11/25/24 09:58	11/27/24 10:21	1
Dibenzofuran	ND	H	1.0	0.27	ug/L		11/25/24 09:58	11/27/24 10:21	1
Diethyl phthalate	ND	H	5.0	0.41	ug/L		11/25/24 09:58	11/27/24 10:21	1
Dimethyl phthalate	ND	H	2.0	0.52	ug/L		11/25/24 09:58	11/27/24 10:21	1
Di-n-butyl phthalate	ND	H	5.0	1.8	ug/L		11/25/24 09:58	11/27/24 10:21	1
Di-n-octyl phthalate	ND	H	2.0	0.82	ug/L		11/25/24 09:58	11/27/24 10:21	1
Fluoranthene	ND	H	0.20	0.16	ug/L		11/25/24 09:58	11/27/24 10:21	1
Fluorene	ND	H	0.20	0.079	ug/L		11/25/24 09:58	11/27/24 10:21	1
Hexachlorobenzene	ND	H	0.20	0.16	ug/L		11/25/24 09:58	11/27/24 10:21	1
Hexachlorobutadiene	ND	H	1.0	0.54	ug/L		11/25/24 09:58	11/27/24 10:21	1
Hexachlorocyclopentadiene	ND	H	10	1.8	ug/L		11/25/24 09:58	11/27/24 10:21	1
Hexachloroethane	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 10:21	1
Indeno[1,2,3-cd]pyrene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 10:21	1
Isophorone	ND	H	1.0	0.32	ug/L		11/25/24 09:58	11/27/24 10:21	1
N-Nitrosodi-n-propylamine	ND	H	1.0	0.25	ug/L		11/25/24 09:58	11/27/24 10:21	1
N-Nitrosodiphenylamine	ND	H	1.0	0.44	ug/L		11/25/24 09:58	11/27/24 10:21	1
Naphthalene	ND	H	0.20	0.11	ug/L		11/25/24 09:58	11/27/24 10:21	1
Nitrobenzene	ND	H	1.0	0.51	ug/L		11/25/24 09:58	11/27/24 10:21	1
Pentachlorophenol	ND	H	10	3.1	ug/L		11/25/24 09:58	11/27/24 10:21	1
Phenanthrene	ND	H	0.20	0.080	ug/L		11/25/24 09:58	11/27/24 10:21	1
Phenol	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 10:21	1
Pyrene	ND	H	0.20	0.083	ug/L		11/25/24 09:58	11/27/24 10:21	1
3 & 4 Methylphenol	ND	H	2.0	0.19	ug/L		11/25/24 09:58	11/27/24 10:21	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	76		43 - 136	11/25/24 09:58	11/27/24 10:21	1
Phenol-d5 (Surr)	61		10 - 120	11/25/24 09:58	11/27/24 10:21	1
Nitrobenzene-d5 (Surr)	67		40 - 120	11/25/24 09:58	11/27/24 10:21	1
2-Fluorophenol (Surr)	67		10 - 127	11/25/24 09:58	11/27/24 10:21	1
2-Fluorobiphenyl (Surr)	67		41 - 120	11/25/24 09:58	11/27/24 10:21	1
2,4,6-Tribromophenol (Surr)	103		23 - 127	11/25/24 09:58	11/27/24 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.096	0.054	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1221	ND		0.096	0.055	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1232	ND		0.096	0.071	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1242	ND		0.096	0.073	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1248	ND		0.096	0.048	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1254	ND		0.096	0.038	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1260	ND		0.096	0.044	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1262	ND		0.096	0.056	ug/L		11/14/24 08:36	11/14/24 20:51	1
Aroclor-1268	ND		0.096	0.060	ug/L		11/14/24 08:36	11/14/24 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		10 - 149	11/14/24 08:36	11/14/24 20:51	1
DCB Decachlorobiphenyl	75		10 - 174	11/14/24 08:36	11/14/24 20:51	1

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		11/14/24 14:00	11/17/24 00:08	1
Barium	41	J B	200	1.3	ug/L		11/14/24 14:00	11/17/24 00:08	1
Cadmium	ND		5.0	0.45	ug/L		11/14/24 14:00	11/17/24 00:08	1
Chromium	0.82	J	10	0.76	ug/L		11/14/24 14:00	11/17/24 00:08	1
Copper	ND		25	3.5	ug/L		11/14/24 14:00	11/17/24 00:08	1
Lead	ND		10	2.8	ug/L		11/14/24 14:00	11/17/24 00:08	1
Selenium	ND		20	6.0	ug/L		11/14/24 14:00	11/17/24 00:08	1
Silver	ND		10	1.4	ug/L		11/14/24 14:00	11/17/24 00:08	1
Zinc	ND		50	23	ug/L		11/14/24 14:00	11/17/24 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/14/24 14:00	11/17/24 00:12	1
Barium	38	J B	200	1.3	ug/L		11/14/24 14:00	11/17/24 00:12	1
Cadmium	ND		5.0	0.45	ug/L		11/14/24 14:00	11/17/24 00:12	1
Chromium	ND		10	0.76	ug/L		11/14/24 14:00	11/17/24 00:12	1
Copper	ND		25	3.5	ug/L		11/14/24 14:00	11/17/24 00:12	1
Lead	ND		10	2.8	ug/L		11/14/24 14:00	11/17/24 00:12	1
Selenium	ND		20	6.0	ug/L		11/14/24 14:00	11/17/24 00:12	1
Silver	ND		10	1.4	ug/L		11/14/24 14:00	11/17/24 00:12	1
Zinc	ND		50	23	ug/L		11/14/24 14:00	11/17/24 00:12	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		11/14/24 16:00	11/15/24 15:13	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/14/24 16:00	11/15/24 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.021		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 16:56	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			11/25/24 13:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/13/24 07:55	1



Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: TB-1-20241112

Lab Sample ID: 240-214826-3

Date Collected: 11/12/24 15:09

Matrix: Water

Date Received: 11/12/24 17:01

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 15:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/19/24 15:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/19/24 15:32	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 15:32	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/19/24 15:32	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/19/24 15:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/19/24 15:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/19/24 15:32	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/19/24 15:32	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/19/24 15:32	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/19/24 15:32	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/19/24 15:32	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/19/24 15:32	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/19/24 15:32	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/19/24 15:32	1
2-Hexanone	ND		10	1.1	ug/L			11/19/24 15:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/19/24 15:32	1
Acetone	ND		10	5.4	ug/L			11/19/24 15:32	1
Benzene	ND		1.0	0.42	ug/L			11/19/24 15:32	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/19/24 15:32	1
Bromoform	ND		1.0	0.76	ug/L			11/19/24 15:32	1
Bromomethane	ND		1.0	0.42	ug/L			11/19/24 15:32	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/19/24 15:32	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/19/24 15:32	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/19/24 15:32	1
Chloroethane	ND		1.0	0.83	ug/L			11/19/24 15:32	1
Chloroform	ND		1.0	0.47	ug/L			11/19/24 15:32	1
Chloromethane	ND		1.0	0.63	ug/L			11/19/24 15:32	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/19/24 15:32	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/19/24 15:32	1
Cyclohexane	ND		1.0	0.48	ug/L			11/19/24 15:32	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/19/24 15:32	1
Dichlorodifluoromethane	ND	*	1.0	0.35	ug/L			11/19/24 15:32	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/19/24 15:32	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/19/24 15:32	1
Methyl acetate	ND		10	1.7	ug/L			11/19/24 15:32	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/19/24 15:32	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/19/24 15:32	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/19/24 15:32	1
Styrene	ND		1.0	0.45	ug/L			11/19/24 15:32	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/19/24 15:32	1
Toluene	ND		1.0	0.44	ug/L			11/19/24 15:32	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/19/24 15:32	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/19/24 15:32	1
Trichloroethene	ND		1.0	0.44	ug/L			11/19/24 15:32	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/19/24 15:32	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/19/24 15:32	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/19/24 15:32	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214826-1

Client Sample ID: TB-1-20241112

Lab Sample ID: 240-214826-3

Date Collected: 11/12/24 15:09

Matrix: Water

Date Received: 11/12/24 17:01

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	103		78 - 122		11/19/24 15:32	1
Dibromofluoromethane (Surr)	84		73 - 120		11/19/24 15:32	1
4-Bromofluorobenzene (Surr)	103		56 - 136		11/19/24 15:32	1
1,2-Dichloroethane-d4 (Surr)	95		62 - 137		11/19/24 15:32	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

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

Job ID: 240-214826-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-214826-1	MW-8-20241112	104	86	103	99
240-214826-2	MW-14-20241112	103	84	100	96
240-214826-3	TB-1-20241112	103	84	103	95
LCS 240-635797/5	Lab Control Sample	107	84	109	95
MB 240-635797/10	Method Blank	104	85	101	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-214826-1	MW-8-20241112	88	75	76	93	83	100
240-214826-1 - RE	MW-8-20241112	76	68	69	72	70	98
240-214826-2	MW-14-20241112	88	78	75	100	78	91
240-214826-2 - RE	MW-14-20241112	76	61	67	67	67	103
LCS 240-635223/2-A	Lab Control Sample	82	76	83	122	77	92
LCS 240-636626/2-A	Lab Control Sample	81	56	76	85	76	105
MB 240-635223/1-A	Method Blank	94	84	81	80	82	88
MB 240-636626/1-A	Method Blank	67	47	60	51	77	103

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (10-149)	DCBP1 (10-174)
240-214826-1	MW-8-20241112	60	65
240-214826-2	MW-14-20241112	72	75
LCS 240-635213/2-A	Lab Control Sample	74	57
MB 240-635213/1-A	Method Blank	69	70

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-214826-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-635797/10

Matrix: Water

Analysis Batch: 635797

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 12:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/19/24 12:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/19/24 12:45	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/19/24 12:45	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/19/24 12:45	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/19/24 12:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/19/24 12:45	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/19/24 12:45	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/19/24 12:45	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/19/24 12:45	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/19/24 12:45	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/19/24 12:45	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/19/24 12:45	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/19/24 12:45	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/19/24 12:45	1
2-Hexanone	ND		10	1.1	ug/L			11/19/24 12:45	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/19/24 12:45	1
Acetone	ND		10	5.4	ug/L			11/19/24 12:45	1
Benzene	ND		1.0	0.42	ug/L			11/19/24 12:45	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/19/24 12:45	1
Bromoform	ND		1.0	0.76	ug/L			11/19/24 12:45	1
Bromomethane	ND		1.0	0.42	ug/L			11/19/24 12:45	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/19/24 12:45	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/19/24 12:45	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/19/24 12:45	1
Chloroethane	ND		1.0	0.83	ug/L			11/19/24 12:45	1
Chloroform	ND		1.0	0.47	ug/L			11/19/24 12:45	1
Chloromethane	ND		1.0	0.63	ug/L			11/19/24 12:45	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/19/24 12:45	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/19/24 12:45	1
Cyclohexane	ND		1.0	0.48	ug/L			11/19/24 12:45	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/19/24 12:45	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/19/24 12:45	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/19/24 12:45	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/19/24 12:45	1
Methyl acetate	ND		10	1.7	ug/L			11/19/24 12:45	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/19/24 12:45	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/19/24 12:45	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/19/24 12:45	1
Styrene	ND		1.0	0.45	ug/L			11/19/24 12:45	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/19/24 12:45	1
Toluene	ND		1.0	0.44	ug/L			11/19/24 12:45	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/19/24 12:45	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/19/24 12:45	1
Trichloroethene	ND		1.0	0.44	ug/L			11/19/24 12:45	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/19/24 12:45	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/19/24 12:45	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/19/24 12:45	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-635797/10

Matrix: Water

Analysis Batch: 635797

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	104		78 - 122		11/19/24 12:45	1
Dibromofluoromethane (Surr)	85		73 - 120		11/19/24 12:45	1
4-Bromofluorobenzene (Surr)	101		56 - 136		11/19/24 12:45	1
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		11/19/24 12:45	1

Lab Sample ID: LCS 240-635797/5

Matrix: Water

Analysis Batch: 635797

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	20.0	20.4		ug/L		102	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.2		ug/L		111	51 - 146
1,1,2-Trichloroethane	20.0	19.0		ug/L		95	70 - 138
1,1-Dichloroethane	20.0	20.0		ug/L		100	72 - 127
1,1-Dichloroethene	20.0	22.6		ug/L		113	63 - 134
1,2,4-Trichlorobenzene	20.0	17.5		ug/L		87	44 - 147
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		83	53 - 135
Ethylene Dibromide	20.0	18.8		ug/L		94	71 - 134
1,2-Dichlorobenzene	20.0	18.7		ug/L		94	78 - 120
1,2-Dichloroethane	20.0	17.5		ug/L		88	66 - 128
1,2-Dichloropropane	20.0	20.0		ug/L		100	75 - 133
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120
2-Butanone (MEK)	40.0	38.9		ug/L		97	54 - 156
2-Hexanone	40.0	41.8		ug/L		104	43 - 167
4-Methyl-2-pentanone (MIBK)	40.0	36.6		ug/L		92	46 - 158
Acetone	40.0	36.1		ug/L		90	50 - 149
Benzene	20.0	21.0		ug/L		105	77 - 123
Dichlorobromomethane	20.0	18.1		ug/L		91	69 - 126
Bromoform	20.0	18.0		ug/L		90	57 - 129
Bromomethane	20.0	10.2		ug/L		51	36 - 142
Carbon disulfide	20.0	24.4		ug/L		122	43 - 140
Carbon tetrachloride	20.0	16.8		ug/L		84	55 - 137
Chlorobenzene	20.0	18.3		ug/L		91	80 - 121
Chloroethane	20.0	14.2		ug/L		71	38 - 152
Chloroform	20.0	18.2		ug/L		91	74 - 122
Chloromethane	20.0	10.5		ug/L		52	47 - 143
cis-1,2-Dichloroethene	20.0	18.5		ug/L		93	77 - 123
cis-1,3-Dichloropropene	20.0	17.9		ug/L		89	64 - 130
Cyclohexane	20.0	24.4		ug/L		122	58 - 146
Chlorodibromomethane	20.0	16.7		ug/L		83	70 - 124
Dichlorodifluoromethane	20.0	5.77	*	ug/L		29	34 - 153
Ethylbenzene	20.0	19.9		ug/L		100	80 - 121
Isopropylbenzene	20.0	23.0		ug/L		115	74 - 128
Methyl acetate	40.0	35.6		ug/L		89	42 - 169
Methyl tert-butyl ether	20.0	21.2		ug/L		106	65 - 126
Methylcyclohexane	20.0	22.6		ug/L		113	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-635797/5

Matrix: Water

Analysis Batch: 635797

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	20.0	19.8		ug/L		99	71 - 125
Styrene	20.0	20.8		ug/L		104	80 - 135
Tetrachloroethene	20.0	22.0		ug/L		110	76 - 123
Toluene	20.0	20.3		ug/L		102	80 - 123
trans-1,2-Dichloroethene	20.0	20.1		ug/L		101	75 - 124
trans-1,3-Dichloropropene	20.0	21.4		ug/L		107	57 - 129
Trichloroethene	20.0	16.6		ug/L		83	70 - 122
Trichlorofluoromethane	20.0	13.1		ug/L		66	30 - 170
Vinyl chloride	20.0	12.0		ug/L		60	60 - 144
Xylenes, Total	40.0	41.5		ug/L		104	80 - 121
m-Xylene & p-Xylene	20.0	20.6		ug/L		103	80 - 120
o-Xylene	20.0	20.9		ug/L		105	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		78 - 122
Dibromofluoromethane (Surr)	84		73 - 120
4-Bromofluorobenzene (Surr)	109		56 - 136
1,2-Dichloroethane-d4 (Surr)	95		62 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-635223/1-A

Matrix: Water

Analysis Batch: 636141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 08:43	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/14/24 08:57	11/21/24 08:43	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/14/24 08:57	11/21/24 08:43	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/14/24 08:57	11/21/24 08:43	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/14/24 08:57	11/21/24 08:43	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-635223/1-A

Matrix: Water

Analysis Batch: 636141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635223

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Nitrophenol	ND		10	2.2	ug/L		11/14/24 08:57	11/21/24 08:43	1
Acenaphthene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 08:43	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/14/24 08:57	11/21/24 08:43	1
Acetophenone	ND		1.0	0.37	ug/L		11/14/24 08:57	11/21/24 08:43	1
Anthracene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 08:43	1
Atrazine	ND		2.0	0.95	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 08:43	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/14/24 08:57	11/21/24 08:43	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 08:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/14/24 08:57	11/21/24 08:43	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/14/24 08:57	11/21/24 08:43	1
Caprolactam	ND		5.0	3.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
Carbazole	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 08:43	1
Chrysene	ND		0.20	0.066	ug/L		11/14/24 08:57	11/21/24 08:43	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 08:43	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 08:43	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/14/24 08:57	11/21/24 08:43	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/14/24 08:57	11/21/24 08:43	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/14/24 08:57	11/21/24 08:43	1
Fluoranthene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 08:43	1
Fluorene	ND		0.20	0.079	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 08:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 08:43	1
Isophorone	ND		1.0	0.32	ug/L		11/14/24 08:57	11/21/24 08:43	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/14/24 08:57	11/21/24 08:43	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/14/24 08:57	11/21/24 08:43	1
Naphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 08:43	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/14/24 08:57	11/21/24 08:43	1
Pentachlorophenol	ND		10	3.1	ug/L		11/14/24 08:57	11/21/24 08:43	1
Phenanthrene	ND		0.20	0.080	ug/L		11/14/24 08:57	11/21/24 08:43	1
Phenol	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 08:43	1
Pyrene	ND		0.20	0.083	ug/L		11/14/24 08:57	11/21/24 08:43	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/14/24 08:57	11/21/24 08:43	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	94		43 - 136	11/14/24 08:57	11/21/24 08:43	1
Phenol-d5 (Surr)	84		10 - 120	11/14/24 08:57	11/21/24 08:43	1
Nitrobenzene-d5 (Surr)	81		40 - 120	11/14/24 08:57	11/21/24 08:43	1
2-Fluorophenol (Surr)	80		10 - 127	11/14/24 08:57	11/21/24 08:43	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-635223/1-A

Matrix: Water

Analysis Batch: 636141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635223

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	82		41 - 120	11/14/24 08:57	11/21/24 08:43	1
2,4,6-Tribromophenol (Surr)	88		23 - 127	11/14/24 08:57	11/21/24 08:43	1

Lab Sample ID: LCS 240-635223/2-A

Matrix: Water

Analysis Batch: 636141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 635223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	18.1		ug/L		56	34 - 126
2,4,5-Trichlorophenol	32.0	21.0		ug/L		66	51 - 129
2,4,6-Trichlorophenol	32.0	20.5		ug/L		64	51 - 128
2,4-Dichlorophenol	32.0	20.7		ug/L		65	57 - 122
2,4-Dimethylphenol	32.0	25.1		ug/L		78	33 - 120
2,4-Dinitrophenol	64.0	33.8		ug/L		53	27 - 126
2,4-Dinitrotoluene	32.0	21.4		ug/L		67	55 - 131
2,6-Dinitrotoluene	32.0	21.4		ug/L		67	54 - 134
2-Chloronaphthalene	32.0	18.9		ug/L		59	50 - 120
2-Chlorophenol	32.0	22.7		ug/L		71	57 - 120
2-Methylnaphthalene	32.0	17.0		ug/L		53	47 - 120
2-Methylphenol	32.0	21.6		ug/L		68	47 - 120
2-Nitroaniline	32.0	20.3		ug/L		64	51 - 138
2-Nitrophenol	32.0	20.4		ug/L		64	53 - 127
3,3'-Dichlorobenzidine	64.0	43.1		ug/L		67	39 - 150
3-Nitroaniline	32.0	21.4		ug/L		67	13 - 156
4,6-Dinitro-2-methylphenol	64.0	43.8		ug/L		68	45 - 130
4-Bromophenyl phenyl ether	32.0	22.6		ug/L		70	51 - 129
4-Chloro-3-methylphenol	32.0	20.2		ug/L		63	57 - 126
4-Chloroaniline	32.0	5.35		ug/L		17	10 - 120
4-Chlorophenyl phenyl ether	32.0	20.3		ug/L		63	52 - 122
4-Nitroaniline	32.0	25.3		ug/L		79	44 - 156
4-Nitrophenol	64.0	32.0		ug/L		50	14 - 120
Acenaphthene	32.0	19.5		ug/L		61	50 - 120
Acenaphthylene	32.0	21.4		ug/L		67	49 - 120
Acetophenone	32.0	19.1		ug/L		60	52 - 120
Anthracene	32.0	23.0		ug/L		72	55 - 124
Atrazine	32.0	ND	*	ug/L		0	50 - 152
Benzaldehyde	32.0	ND	*	ug/L		0	36 - 168
Benzo[a]anthracene	32.0	21.7		ug/L		68	55 - 130
Benzo[a]pyrene	32.0	22.3		ug/L		70	51 - 123
Benzo[b]fluoranthene	32.0	21.9		ug/L		68	51 - 130
Benzo[g,h,i]perylene	32.0	23.2		ug/L		73	55 - 135
Benzo[k]fluoranthene	32.0	22.1		ug/L		69	53 - 130
Bis(2-chloroethoxy)methane	32.0	20.2		ug/L		63	50 - 121
Bis(2-chloroethyl)ether	32.0	18.0		ug/L		56	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	22.1		ug/L		69	45 - 142
Butyl benzyl phthalate	32.0	20.8		ug/L		65	48 - 140
Caprolactam	32.0	ND	*	ug/L		0	10 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-635223/2-A
Matrix: Water
Analysis Batch: 636141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	32.0	22.5		ug/L		70	56 - 135
Chrysene	32.0	20.6		ug/L		64	52 - 126
Dibenz(a,h)anthracene	32.0	21.7		ug/L		68	57 - 132
Dibenzofuran	32.0	19.2		ug/L		60	52 - 120
Diethyl phthalate	32.0	21.7		ug/L		68	51 - 127
Dimethyl phthalate	32.0	21.1		ug/L		66	40 - 136
Di-n-butyl phthalate	32.0	23.7		ug/L		74	56 - 138
Di-n-octyl phthalate	32.0	22.2		ug/L		69	45 - 135
Fluoranthene	32.0	23.4		ug/L		73	56 - 135
Fluorene	32.0	19.7		ug/L		62	52 - 124
Hexachlorobenzene	32.0	22.6		ug/L		71	49 - 127
Hexachlorobutadiene	32.0	17.2		ug/L		54	36 - 120
Hexachlorocyclopentadiene	32.0	23.3		ug/L		73	10 - 120
Hexachloroethane	32.0	17.1		ug/L		54	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	21.9		ug/L		69	55 - 134
Isophorone	32.0	21.4		ug/L		67	50 - 127
N-Nitrosodi-n-propylamine	32.0	20.7		ug/L		65	49 - 128
N-Nitrosodiphenylamine	32.0	21.5		ug/L		67	53 - 127
Naphthalene	32.0	18.1		ug/L		57	46 - 120
Nitrobenzene	32.0	20.0		ug/L		63	50 - 123
Pentachlorophenol	64.0	40.2		ug/L		63	24 - 124
Phenanthrene	32.0	21.1		ug/L		66	54 - 120
Phenol	32.0	19.8		ug/L		62	10 - 120
Pyrene	32.0	21.0		ug/L		66	53 - 135
3 & 4 Methylphenol	32.0	19.8		ug/L		62	41 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	82		43 - 136
Phenol-d5 (Surr)	76		10 - 120
Nitrobenzene-d5 (Surr)	83		40 - 120
2-Fluorophenol (Surr)	122		10 - 127
2-Fluorobiphenyl (Surr)	77		41 - 120
2,4,6-Tribromophenol (Surr)	92		23 - 127

Lab Sample ID: MB 240-636626/1-A
Matrix: Water
Analysis Batch: 636931

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636626

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636626

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/25/24 09:58	11/27/24 08:49	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/25/24 09:58	11/27/24 08:49	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitrophenol	ND		10	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acetophenone	ND		1.0	0.37	ug/L		11/25/24 09:58	11/27/24 08:49	1
Anthracene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Atrazine	ND		2.0	0.95	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/25/24 09:58	11/27/24 08:49	1
Caprolactam	ND		5.0	3.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Carbazole	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
Chrysene	ND		0.20	0.066	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluoranthene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluorene	ND		0.20	0.079	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Isophorone	ND		1.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636626

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pentachlorophenol	ND		10	3.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenanthrene	ND		0.20	0.080	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenol	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pyrene	ND		0.20	0.083	ug/L		11/25/24 09:58	11/27/24 08:49	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/25/24 09:58	11/27/24 08:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	67		43 - 136	11/25/24 09:58	11/27/24 08:49	1
Phenol-d5 (Surr)	47		10 - 120	11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene-d5 (Surr)	60		40 - 120	11/25/24 09:58	11/27/24 08:49	1
2-Fluorophenol (Surr)	51		10 - 127	11/25/24 09:58	11/27/24 08:49	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/25/24 09:58	11/27/24 08:49	1
2,4,6-Tribromophenol (Surr)	103		23 - 127	11/25/24 09:58	11/27/24 08:49	1

Lab Sample ID: LCS 240-636626/2-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636626

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1'-Biphenyl	32.0	23.3		ug/L		73	48 - 120
bis (2-chloroisopropyl) ether	32.0	23.7		ug/L		74	34 - 126
2,4,5-Trichlorophenol	32.0	28.6		ug/L		89	51 - 129
2,4,6-Trichlorophenol	32.0	27.0		ug/L		84	51 - 128
2,4-Dichlorophenol	32.0	26.6		ug/L		83	57 - 122
2,4-Dimethylphenol	32.0	32.0		ug/L		100	33 - 120
2,4-Dinitrophenol	64.0	55.6		ug/L		87	27 - 126
2,4-Dinitrotoluene	32.0	30.3		ug/L		95	55 - 131
2,6-Dinitrotoluene	32.0	29.9		ug/L		93	54 - 134
2-Chloronaphthalene	32.0	23.4		ug/L		73	50 - 120
2-Chlorophenol	32.0	27.7		ug/L		87	57 - 120
2-Methylnaphthalene	32.0	21.8		ug/L		68	47 - 120
2-Methylphenol	32.0	27.8		ug/L		87	47 - 120
2-Nitroaniline	32.0	28.0		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.6		ug/L		83	53 - 127
3,3'-Dichlorobenzidine	64.0	59.8		ug/L		93	39 - 150
3-Nitroaniline	32.0	29.5		ug/L		92	13 - 156
4,6-Dinitro-2-methylphenol	64.0	64.5		ug/L		101	45 - 130
4-Bromophenyl phenyl ether	32.0	30.0		ug/L		94	51 - 129
4-Chloro-3-methylphenol	32.0	27.5		ug/L		86	57 - 126
4-Chloroaniline	32.0	6.70		ug/L		21	10 - 120
4-Chlorophenyl phenyl ether	32.0	26.4		ug/L		83	52 - 122
4-Nitroaniline	32.0	43.7		ug/L		136	44 - 156
4-Nitrophenol	64.0	41.7		ug/L		65	14 - 120
Acenaphthene	32.0	24.7		ug/L		77	50 - 120
Acenaphthylene	32.0	27.8		ug/L		87	49 - 120
Acetophenone	32.0	25.9		ug/L		81	52 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636626/2-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	32.0	29.4		ug/L		92	55 - 124
Atrazine	32.0	33.4		ug/L		104	50 - 152
Benzaldehyde	32.0	31.1		ug/L		97	36 - 168
Benzo[a]anthracene	32.0	29.3		ug/L		91	55 - 130
Benzo[a]pyrene	32.0	31.1		ug/L		97	51 - 123
Benzo[b]fluoranthene	32.0	30.4		ug/L		95	51 - 130
Benzo[g,h,i]perylene	32.0	31.1		ug/L		97	55 - 135
Benzo[k]fluoranthene	32.0	28.0		ug/L		88	53 - 130
Bis(2-chloroethoxy)methane	32.0	24.9		ug/L		78	50 - 121
Bis(2-chloroethyl)ether	32.0	23.3		ug/L		73	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.7		ug/L		90	45 - 142
Butyl benzyl phthalate	32.0	27.6		ug/L		86	48 - 140
Caprolactam	32.0	6.88		ug/L		21	10 - 120
Carbazole	32.0	30.5		ug/L		95	56 - 135
Chrysene	32.0	25.8		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	30.1		ug/L		94	57 - 132
Dibenzofuran	32.0	24.6		ug/L		77	52 - 120
Diethyl phthalate	32.0	27.5		ug/L		86	51 - 127
Dimethyl phthalate	32.0	28.5		ug/L		89	40 - 136
Di-n-butyl phthalate	32.0	31.7		ug/L		99	56 - 138
Di-n-octyl phthalate	32.0	28.2		ug/L		88	45 - 135
Fluoranthene	32.0	30.6		ug/L		95	56 - 135
Fluorene	32.0	25.7		ug/L		80	52 - 124
Hexachlorobenzene	32.0	28.7		ug/L		90	49 - 127
Hexachlorobutadiene	32.0	21.4		ug/L		67	36 - 120
Hexachlorocyclopentadiene	32.0	30.1		ug/L		94	10 - 120
Hexachloroethane	32.0	21.0		ug/L		66	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.7		ug/L		96	55 - 134
Isophorone	32.0	26.8		ug/L		84	50 - 127
N-Nitrosodi-n-propylamine	32.0	26.9		ug/L		84	49 - 128
N-Nitrosodiphenylamine	32.0	28.1		ug/L		88	53 - 127
Naphthalene	32.0	22.2		ug/L		69	46 - 120
Nitrobenzene	32.0	24.2		ug/L		76	50 - 123
Pentachlorophenol	64.0	56.9		ug/L		89	24 - 124
Phenanthrene	32.0	26.4		ug/L		83	54 - 120
Phenol	32.0	17.9		ug/L		56	10 - 120
Pyrene	32.0	27.2		ug/L		85	53 - 135
3 & 4 Methylphenol	32.0	25.3		ug/L		79	41 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	81		43 - 136
Phenol-d5 (Surr)	56		10 - 120
Nitrobenzene-d5 (Surr)	76		40 - 120
2-Fluorophenol (Surr)	85		10 - 127
2-Fluorobiphenyl (Surr)	76		41 - 120
2,4,6-Tribromophenol (Surr)	105		23 - 127

QC Sample Results

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

Job ID: 240-214826-1

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

Lab Sample ID: MB 240-635213/1-A
Matrix: Water
Analysis Batch: 635182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635213

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	ND		0.10	0.056	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/14/24 08:36	11/14/24 16:23	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	69		10 - 149	11/14/24 08:36	11/14/24 16:23	1
DCB Decachlorobiphenyl	70		10 - 174	11/14/24 08:36	11/14/24 16:23	1

Lab Sample ID: LCS 240-635213/2-A
Matrix: Water
Analysis Batch: 635182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor-1260	2.50	1.93		ug/L		77	39 - 153

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	74		10 - 149
DCB Decachlorobiphenyl	57		10 - 174

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-635265/1-A
Matrix: Water
Analysis Batch: 635587

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635265

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/14/24 14:00	11/16/24 23:13	1
Barium	2.53	J	200	1.3	ug/L		11/14/24 14:00	11/16/24 23:13	1
Cadmium	ND		5.0	0.45	ug/L		11/14/24 14:00	11/16/24 23:13	1
Chromium	ND		10	0.76	ug/L		11/14/24 14:00	11/16/24 23:13	1
Copper	ND		25	3.5	ug/L		11/14/24 14:00	11/16/24 23:13	1
Lead	ND		10	2.8	ug/L		11/14/24 14:00	11/16/24 23:13	1
Selenium	ND		20	6.0	ug/L		11/14/24 14:00	11/16/24 23:13	1
Silver	ND		10	1.4	ug/L		11/14/24 14:00	11/16/24 23:13	1
Zinc	ND		50	23	ug/L		11/14/24 14:00	11/16/24 23:13	1

QC Sample Results

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

Job ID: 240-214826-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-635265/2-A
Matrix: Water
Analysis Batch: 635587

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2000	1970		ug/L		99	80 - 120
Barium	2000	1800		ug/L		90	80 - 120
Cadmium	1000	932		ug/L		93	80 - 120
Chromium	1000	909		ug/L		91	80 - 120
Copper	1000	912		ug/L		91	80 - 120
Lead	1000	898		ug/L		90	80 - 120
Selenium	2000	1980		ug/L		99	80 - 120
Silver	100	91.5		ug/L		92	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-635268/1-A
Matrix: Water
Analysis Batch: 635654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/14/24 16:00	11/15/24 14:54	1

Lab Sample ID: LCS 240-635268/2-A
Matrix: Water
Analysis Batch: 635654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.28		ug/L		86	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-635032/3
Matrix: Water
Analysis Batch: 635032

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			11/13/24 07:55	1

Lab Sample ID: LCS 240-635032/4
Matrix: Water
Analysis Batch: 635032

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	0.230		mg/L		92	85 - 115

Lab Sample ID: 240-214826-2 MS
Matrix: Water
Analysis Batch: 635032

Client Sample ID: MW-14-20241112
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		0.250	0.257		mg/L		103	85 - 115

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214826-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: 240-214826-2 MSD
Matrix: Water
Analysis Batch: 635032

Client Sample ID: MW-14-20241112
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		0.250	0.231		mg/L		93	85 - 115	11	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-635767/1-A
Matrix: Water
Analysis Batch: 635779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 15:25	1

Lab Sample ID: LCS 240-635767/2-A
Matrix: Water
Analysis Batch: 635779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.318		mg/L		97	85 - 115

Lab Sample ID: MRL 240-635779/10
Matrix: Water
Analysis Batch: 635779

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0107		mg/L		107	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-579445/17
Matrix: Water
Analysis Batch: 579445

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			11/25/24 13:05	1

Lab Sample ID: LCS 410-579445/16
Matrix: Water
Analysis Batch: 579445

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0499		mg/L		100	82 - 132

QC Association Summary

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

Job ID: 240-214826-1

GC/MS VOA

Analysis Batch: 635797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	8260D	
240-214826-2	MW-14-20241112	Total/NA	Water	8260D	
240-214826-3	TB-1-20241112	Total/NA	Water	8260D	
MB 240-635797/10	Method Blank	Total/NA	Water	8260D	
LCS 240-635797/5	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 635223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	3510C LVI	
240-214826-2	MW-14-20241112	Total/NA	Water	3510C LVI	
MB 240-635223/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-635223/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	8270E	635223
240-214826-2	MW-14-20241112	Total/NA	Water	8270E	635223
MB 240-635223/1-A	Method Blank	Total/NA	Water	8270E	635223
LCS 240-635223/2-A	Lab Control Sample	Total/NA	Water	8270E	635223

Prep Batch: 636626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1 - RE	MW-8-20241112	Total/NA	Water	3510C LVI	
240-214826-2 - RE	MW-14-20241112	Total/NA	Water	3510C LVI	
MB 240-636626/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1 - RE	MW-8-20241112	Total/NA	Water	8270E	636626
240-214826-2 - RE	MW-14-20241112	Total/NA	Water	8270E	636626
MB 240-636626/1-A	Method Blank	Total/NA	Water	8270E	636626
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	8270E	636626

GC Semi VOA

Analysis Batch: 635182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	8082A	635213
240-214826-2	MW-14-20241112	Total/NA	Water	8082A	635213
MB 240-635213/1-A	Method Blank	Total/NA	Water	8082A	635213
LCS 240-635213/2-A	Lab Control Sample	Total/NA	Water	8082A	635213

Prep Batch: 635213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	3510C	
240-214826-2	MW-14-20241112	Total/NA	Water	3510C	
MB 240-635213/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-635213/2-A	Lab Control Sample	Total/NA	Water	3510C	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-214826-1

Metals

Prep Batch: 635265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Dissolved	Water	3005A	
240-214826-1	MW-8-20241112	Total Recoverable	Water	3005A	
240-214826-2	MW-14-20241112	Dissolved	Water	3005A	
240-214826-2	MW-14-20241112	Total Recoverable	Water	3005A	
MB 240-635265/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-635265/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 635268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Dissolved	Water	7470A	
240-214826-1	MW-8-20241112	Total/NA	Water	7470A	
240-214826-2	MW-14-20241112	Dissolved	Water	7470A	
240-214826-2	MW-14-20241112	Total/NA	Water	7470A	
MB 240-635268/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-635268/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 635587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Dissolved	Water	6010D	635265
240-214826-1	MW-8-20241112	Total Recoverable	Water	6010D	635265
240-214826-2	MW-14-20241112	Dissolved	Water	6010D	635265
240-214826-2	MW-14-20241112	Total Recoverable	Water	6010D	635265
MB 240-635265/1-A	Method Blank	Total Recoverable	Water	6010D	635265
LCS 240-635265/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635265

Analysis Batch: 635654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Dissolved	Water	7470A	635268
240-214826-1	MW-8-20241112	Total/NA	Water	7470A	635268
240-214826-2	MW-14-20241112	Dissolved	Water	7470A	635268
240-214826-2	MW-14-20241112	Total/NA	Water	7470A	635268
MB 240-635268/1-A	Method Blank	Total/NA	Water	7470A	635268
LCS 240-635268/2-A	Lab Control Sample	Total/NA	Water	7470A	635268

General Chemistry

Analysis Batch: 579445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	OIA-1677	
240-214826-2	MW-14-20241112	Total/NA	Water	OIA-1677	
MB 410-579445/17	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-579445/16	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 635032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Dissolved	Water	7196A	
240-214826-2	MW-14-20241112	Dissolved	Water	7196A	
MB 240-635032/3	Method Blank	Total/NA	Water	7196A	
LCS 240-635032/4	Lab Control Sample	Total/NA	Water	7196A	
240-214826-2 MS	MW-14-20241112	Dissolved	Water	7196A	
240-214826-2 MSD	MW-14-20241112	Dissolved	Water	7196A	

QC Association Summary

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

Job ID: 240-214826-1

General Chemistry

Prep Batch: 635767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	9012B	
240-214826-2	MW-14-20241112	Total/NA	Water	9012B	
MB 240-635767/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-635767/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 635779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214826-1	MW-8-20241112	Total/NA	Water	9012B	635767
240-214826-2	MW-14-20241112	Total/NA	Water	9012B	635767
MB 240-635767/1-A	Method Blank	Total/NA	Water	9012B	635767
LCS 240-635767/2-A	Lab Control Sample	Total/NA	Water	9012B	635767
MRL 240-635779/10	Lab Control Sample	Total/NA	Water	9012B	

Lab Chronicle

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

Job ID: 240-214826-1

Client Sample ID: MW-8-20241112

Lab Sample ID: 240-214826-1

Date Collected: 11/12/24 10:12

Matrix: Water

Date Received: 11/12/24 17:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	635797	AJS	EET CLE	11/19/24 21:07
Total/NA	Prep	3510C LVI	RE		636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E	RE	1	636931	MRU	EET CLE	11/27/24 09:58
Total/NA	Prep	3510C LVI			635223	CR2J	EET CLE	11/14/24 08:57
Total/NA	Analysis	8270E		1	636141	MRU	EET CLE	11/21/24 09:51
Total/NA	Prep	3510C			635213	CR2J	EET CLE	11/14/24 08:36
Total/NA	Analysis	8082A		1	635182	LSH	EET CLE	11/14/24 20:39
Dissolved	Prep	3005A			635265	BN	EET CLE	11/14/24 14:00
Dissolved	Analysis	6010D		1	635587	RKT	EET CLE	11/17/24 00:03
Total Recoverable	Prep	3005A			635265	BN	EET CLE	11/14/24 14:00
Total Recoverable	Analysis	6010D		1	635587	RKT	EET CLE	11/16/24 23:59
Dissolved	Prep	7470A			635268	BN	EET CLE	11/14/24 16:00
Dissolved	Analysis	7470A		1	635654	TQ6W	EET CLE	11/15/24 15:11
Total/NA	Prep	7470A			635268	BN	EET CLE	11/14/24 16:00
Total/NA	Analysis	7470A		1	635654	TQ6W	EET CLE	11/15/24 15:10
Dissolved	Analysis	7196A		1	635032	AJ	EET CLE	11/13/24 07:55
Total/NA	Prep	9012B			635767	VH6H	EET CLE	11/18/24 14:32
Total/NA	Analysis	9012B		1	635779	BLW	EET CLE	11/18/24 16:54
Total/NA	Analysis	OIA-1677		1	579445	UJE2	ELLE	11/25/24 13:25

Client Sample ID: MW-14-20241112

Lab Sample ID: 240-214826-2

Date Collected: 11/12/24 12:35

Matrix: Water

Date Received: 11/12/24 17:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	635797	AJS	EET CLE	11/19/24 21:33
Total/NA	Prep	3510C LVI	RE		636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E	RE	1	636931	MRU	EET CLE	11/27/24 10:21
Total/NA	Prep	3510C LVI			635223	CR2J	EET CLE	11/14/24 08:57
Total/NA	Analysis	8270E		1	636141	MRU	EET CLE	11/21/24 10:14
Total/NA	Prep	3510C			635213	CR2J	EET CLE	11/14/24 08:36
Total/NA	Analysis	8082A		1	635182	LSH	EET CLE	11/14/24 20:51
Dissolved	Prep	3005A			635265	BN	EET CLE	11/14/24 14:00
Dissolved	Analysis	6010D		1	635587	RKT	EET CLE	11/17/24 00:12
Total Recoverable	Prep	3005A			635265	BN	EET CLE	11/14/24 14:00
Total Recoverable	Analysis	6010D		1	635587	RKT	EET CLE	11/17/24 00:08
Dissolved	Prep	7470A			635268	BN	EET CLE	11/14/24 16:00
Dissolved	Analysis	7470A		1	635654	TQ6W	EET CLE	11/15/24 15:15
Total/NA	Prep	7470A			635268	BN	EET CLE	11/14/24 16:00
Total/NA	Analysis	7470A		1	635654	TQ6W	EET CLE	11/15/24 15:13
Dissolved	Analysis	7196A		1	635032	AJ	EET CLE	11/13/24 07:55
Total/NA	Prep	9012B			635767	VH6H	EET CLE	11/18/24 14:32
Total/NA	Analysis	9012B		1	635779	BLW	EET CLE	11/18/24 16:56
Total/NA	Analysis	OIA-1677		1	579445	UJE2	ELLE	11/25/24 13:23

Lab Chronicle

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

Job ID: 240-214826-1

Client Sample ID: TB-1-20241112

Lab Sample ID: 240-214826-3

Date Collected: 11/12/24 15:09

Matrix: Water

Date Received: 11/12/24 17:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	635797	AJS	EET CLE	11/19/24 15:32

Laboratory References:

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

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

Job ID: 240-214826-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25

Accreditation/Certification Summary

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

Job ID: 240-214826-1

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
Minnesota	NELAP	042-999-487	12-31-24
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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

Eurofins Cleveland

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

Chain of Custody Record

37
3-8

Client Information		Sampler: <u>Sarah Kutzman</u>		Lab PM: Kalis, Nicole A		Carrier Tracking No(s):		COC No: 240-124901-43556.12	
Client Contact: Kain Lager-Lowe		Phone:		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: OH		Page: 12 of 42 1 of 1	
Company: August Mack Environmental, Inc.				PWSID:		Analysis Requested			
Address: 7830 North Central Drive, Suite B		Due Date Requested:		Field Filtered Sample (Yes or No) Performance: 8/1 8260D - VOCs 8270E - SVOCs 8082A - PCBs 9012B - Total Cyanid 1077 - Free Cyanide 60100/7470A - Total RCRA 8, Cu & Zn 7196A - Total Hexavalent Chromium 60100/7470A - Dissolved RCRA 8, Cu & Zn 7196A - Dissolved Hexavalent Chromium - Lab Filter 6010D, 7470A 7196A - Diss. Hexavalent Chromium - Field Filter 1077 - Free - Cyanide, Free		Preservation Codes: N - None A - HCL B - NaOH D - HNO3		Job #:	
City: Lewis Center		TAT Requested (days): Standard				Other:			
State, Zip: OH, 43035		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No							
Phone: 740-548-1515(Tel)		PO #:							
Email: klagerlowe@augustmack.com		WO #:							
Project Name: MSC Canfield - Soil/Surface Water		Project #: DO NOT DELETE - 24033889							
Site:		SSOW#:							
<i>*Hex Chrome 7196A require lab filter*</i>									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, On-waste/soil, ST-Tissue, Air)	Preservation Code:	Field Filtered Sample (Yes or No)		Total Number of containers	Special Instructions/Note:
MW-8-20241112	11/12/24	1012	G	Water	N	X	A N N B B D N D N D N B	1	
MW-8-20241112-DISS	11/12/24	1012	G	Water	Y			2	
MW-14-20241112	11/12/24	1235	G	Water	N	X	A N N B B D N D N D N B	10	
MW-14-20241112-DISS	11/12/24	1235	G	Water	Y			2	
TB-1-20241112	11/12/24	1509	G	Water	N	X	A N N B B D N D N D N B	3	
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					



Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements: <u>Hex Chrome Samples require lab filter</u>			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: <u>Sarah Kutzman</u>		Date/Time: <u>11/12/24 15:51</u>		Company: <u>AME</u>		Received by: <u>Malissa Loar</u>	
Relinquished by: <u>[Signature]</u>		Date/Time: <u>11/12/24 17:01</u>		Company: <u>EUR</u>		Date/Time: <u>11-12-24 17:01</u>	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			



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

Client August Mac Site Name _____ Cooler unpacked by: MALISSA LOAR
 Cooler Received on 11.12.24 Opened on 11.13.24

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
 Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # 22 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 # 17 (CF 70.1 °C) Observed Cooler Temp. 27 °C Corrected Cooler Temp. 28 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
 -Were the seals on the outside of the cooler(s) signed & dated? Yes NO No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes NO No NA
 -Were tamper/custody seals intact and uncompromised? Yes NO No NA

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

3. Shippers' packing slip attached to the cooler(s)? Yes NO No
 4. Did custody papers accompany the sample(s)? Yes NO No
 5. Were the custody papers relinquished & signed in the appropriate place? Yes NO No
 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes NO No
 7. Did all bottles arrive in good condition (Unbroken)? Yes NO No
 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes NO No
 9. For each sample, does the COC specify preservative (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes NO No
 10. Were correct bottle(s) used for the test(s) indicated? Yes NO No
 11. Sufficient quantity received to perform indicated analyses? Yes NO No
 12. Are these work share samples and all listed on the COC? Yes NO No
 13. Were all preserved sample(s) at the correct pH upon receipt? Yes NO No
 14. Were VOAs on the COC? Yes NO No
 15. Were air bubbles >6 mm in any VOA vials? NO Larger than this. Yes NO No NA
 16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes NO No
 17. Was a LL Hg or Me Hg trip blank present? Yes NO No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

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

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: _____

Temperature readings

Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp	Preservation Added	Preservation Lot Number
MW-8-20241112	240-214826-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-8-20241112	240-214826-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-8-20241112	240-214826-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-8-20241112	240-214826-D-1	Amber Glass 250ml - unpreserved				
MW-8-20241112	240-214826-E-1	Amber Glass 250ml - unpreserved				
MW-8-20241112	240-214826-F-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-8-20241112	240-214826-G-1	Plastic 250ml - with Zinc Acetate & NaOH	>9			
MW-8-20241112	240-214826-H-1	Plastic 500ml - with Nitric Acid	<2			
MW-8-20241112	240-214826-I-1	Amber Glass 1 liter - unpreserved				
MW-8-20241112	240-214826-J-1	Amber Glass 1 liter - unpreserved				
MW-14-20241112	240-214826-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-14-20241112	240-214826-B-2	Voa Vial 40ml - Hydrochloric Acid	<2			
MW-14-20241112	240-214826-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-14-20241112	240-214826-D-2	Amber Glass 250ml - unpreserved				
MW-14-20241112	240-214826-E-2	Amber Glass 250ml - unpreserved				
MW-14-20241112	240-214826-F-2	Plastic 250ml - with Sodium Hydroxide	>12			
MW-14-20241112	240-214826-G-2	Plastic 250ml - with Zinc Acetate & NaOH	>9			
MW-14-20241112	240-214826-H-2	Plastic 500ml - with Nitric Acid	<2			
MW-14-20241112	240-214826-I-2	Amber Glass 1 liter - unpreserved				
MW-14-20241112	240-214826-J-2	Amber Glass 1 liter - unpreserved				
TB-1-20241112	240-214826-A-3	Voa Vial 40ml - Hydrochloric Acid				
TB-1-20241112	240-214826-B-3	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kalis, Nicole A		Camera Tracking No(s): N/A		COC No: 240-193919.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofins.com		State of Origin: Ohio		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-214826-1			
Address: 2425 New Holland Pike, Lancaster PA, 17601		Due Date Requested: 11/25/2024		Analysis Requested						Preservation Codes:	
City: Lancaster		TAT Requested (days): N/A									
State, Zip: PA, 17601		PO #: N/A									
Phone: 717-656-2300(Tel)		WG #: N/A									
Email: N/A		Project #: 24033889									
Project Name: MSC Canfield		SSOW#: N/A									
Site: N/A				Field Filtered Sample (Yes or No)		Perform MSMSD (Yes or No)		Total Number of Containers			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, B=solid, O=soil/sediment, BT=Tissue, A=Air)					Special Instructions/Note:	
MW-8-20241112 (240-214826-1)		11/12/24	10-12 Eastern	G	Water		X			Use caution! Site contaminated with solvent waste	
MW-14-20241112 (240-214826-2)		11/12/24	12-35 Eastern	G	Water		X			Use caution! Site contaminated with solvent waste	
<p>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 listed 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.</p>											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2			Special Instructions/QC Requirements:					
Empty Kit Relinquished by: MALISSA LOAN		Date: 11-13-24		Time:		Method of Shipment:					
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by: Debra A. Byrnes		Date/Time: 11-15-24 09:30		Company: ELGET	
Custody Seats Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 12-1.1 C: 0.9							

LAA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-214826-1

Login Number: 214826

List Number: 2

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 11/15/24 01:35 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/9/2025 3:42:17 PM Revision 2

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-214891-1

Eurofins Cleveland

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
1/9/2025 3:42:17 PM
Revision 2

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	10
Surrogate Summary	24
QC Sample Results	25
QC Association Summary	40
Lab Chronicle	43
Certification Summary	45
Chain of Custody	47
Receipt Checklists	51

Definitions/Glossary

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

Job ID: 240-214891-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

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.

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-214891-1

Job ID: 240-214891-1

Eurofins Cleveland

Job Narrative 240-214891-1

REVISION

The report being provided is a revision of the original report sent on 12/2/2024. The report (revision 1) is being revised due to sample contamination - in metals, sample redigested.

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 11/13/2024 12:36 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 6.1°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636101 was outside the method criteria for the following analyte(s): Dichlorobromomethane, Bromoform, Bromomethane, Carbon tetrachloride, Chlorodibromomethane and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The parent sample and MS/MSD for batch 240-636101 needed reanalyzed for a dilution, therefore the MS/MSD is not reported for this batch. The following samples are affected: MW-13-20241112 (240-214891-1) and DUP-1-20241112 (240-214891-2)

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636129 was outside the method criteria for the following analyte(s): 1,1,2-Trichloro-1,2,2-trifluoroethane, Dichlorobromomethane, Bromoform, Bromomethane, Carbon tetrachloride, Chlorodibromomethane, Dichlorodifluoromethane and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636141 recovered above the upper control limit for 4-Nitroaniline. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples were impacted: MW-13-20241112 (240-214891-1) and DUP-1-20241112 (240-214891-2).

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636626.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636931 recovered outside acceptance criteria, low biased, for Phenol and 3 & 4 Methylphenol. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analytes, the data were reported.

Method 8270E: The laboratory control sample (LCS) for prep batch 240-635223 and samples MW-13-20241112 (240-214891-1) and DUP-1-20241112 (240-214891-2) recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam. The associated sample(s) was re-prepared and re-analyzed outside holding time with all spike recoveries meeting acceptance criteria in the associated LCS. Both sets of results have been reported.

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

Eurofins Cleveland

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-214891-1

Job ID: 240-214891-1 (Continued)

Eurofins Cleveland

PCBs

Method 8082A: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: DUP-1-20241112 (240-214891-2), (240-214774-X-2-A), (240-214774-W-2-A MS) and (240-214774-W-2-B MSD).

Method 8082A: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: DUP-1-20241112 (240-214891-2), (240-214774-X-2-A), (240-214774-W-2-A MS) and (240-214774-W-2-B MSD).

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

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.

Eurofins Cleveland

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Method Summary

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

Job ID: 240-214891-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-214891-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
240-214891-1	MW-13-20241112	Water	11/12/24 14:58	11/13/24 12:36
240-214891-2	DUP-1-20241112	Water	11/12/24 16:00	11/13/24 12:36
240-214891-3	TB-2-20241112	Water	11/12/24 00:00	11/13/24 12:36

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	90	J	200	1.3	ug/L	1		6010D	Total Recoverable
Barium	90	J	200	1.3	ug/L	1		6010D	Dissolved
Cyanide, Total	0.081		0.010	0.0060	mg/L	1		9012B	Total/NA
Cyanide, Free	0.017		0.0060	0.0050	mg/L	1		OIA-1677	Total/NA

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	90	J	200	1.3	ug/L	1		6010D	Total Recoverable
Cadmium	0.52	J	5.0	0.45	ug/L	1		6010D	Total Recoverable
Barium	88	J	200	1.3	ug/L	1		6010D	Dissolved
Cadmium	0.48	J	5.0	0.45	ug/L	1		6010D	Dissolved
Cyanide, Total	0.083		0.010	0.0060	mg/L	1		9012B	Total/NA
Cyanide, Free	0.012		0.0060	0.0050	mg/L	1		OIA-1677	Total/NA

Client Sample ID: TB-2-20241112

Lab Sample ID: 240-214891-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 06:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/21/24 06:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/21/24 06:48	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 06:48	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/21/24 06:48	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/21/24 06:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/21/24 06:48	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/21/24 06:48	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/21/24 06:48	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/21/24 06:48	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/21/24 06:48	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/21/24 06:48	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/21/24 06:48	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/21/24 06:48	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/21/24 06:48	1
2-Hexanone	ND		10	1.1	ug/L			11/21/24 06:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/21/24 06:48	1
Acetone	ND		10	5.4	ug/L			11/21/24 06:48	1
Benzene	ND		1.0	0.42	ug/L			11/21/24 06:48	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/21/24 06:48	1
Bromoform	ND		1.0	0.76	ug/L			11/21/24 06:48	1
Bromomethane	ND		1.0	0.42	ug/L			11/21/24 06:48	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/21/24 06:48	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/21/24 06:48	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/21/24 06:48	1
Chloroethane	ND		1.0	0.83	ug/L			11/21/24 06:48	1
Chloroform	ND		1.0	0.47	ug/L			11/21/24 06:48	1
Chloromethane	ND		1.0	0.63	ug/L			11/21/24 06:48	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/21/24 06:48	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/21/24 06:48	1
Cyclohexane	ND		1.0	0.48	ug/L			11/21/24 06:48	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/21/24 06:48	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/21/24 06:48	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/21/24 06:48	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/21/24 06:48	1
Methyl acetate	ND		10	1.7	ug/L			11/21/24 06:48	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/21/24 06:48	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/21/24 06:48	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/21/24 06:48	1
Styrene	ND		1.0	0.45	ug/L			11/21/24 06:48	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/21/24 06:48	1
Toluene	ND		1.0	0.44	ug/L			11/21/24 06:48	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/21/24 06:48	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/21/24 06:48	1
Trichloroethene	ND		1.0	0.44	ug/L			11/21/24 06:48	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/21/24 06:48	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/21/24 06:48	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/21/24 06:48	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		11/21/24 06:48	1
Dibromofluoromethane (Surr)	96		73 - 120		11/21/24 06:48	1
4-Bromofluorobenzene (Surr)	98		56 - 136		11/21/24 06:48	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		11/21/24 06:48	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 17:26	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/14/24 08:57	11/21/24 17:26	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/14/24 08:57	11/21/24 17:26	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/14/24 08:57	11/21/24 17:26	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 17:26	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 17:26	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/14/24 08:57	11/21/24 17:26	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/14/24 08:57	11/21/24 17:26	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/14/24 08:57	11/21/24 17:26	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/14/24 08:57	11/21/24 17:26	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/14/24 08:57	11/21/24 17:26	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/14/24 08:57	11/21/24 17:26	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/14/24 08:57	11/21/24 17:26	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/14/24 08:57	11/21/24 17:26	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/14/24 08:57	11/21/24 17:26	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/14/24 08:57	11/21/24 17:26	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/14/24 08:57	11/21/24 17:26	1
4-Nitrophenol	ND		10	2.2	ug/L		11/14/24 08:57	11/21/24 17:26	1
Acenaphthene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 17:26	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/14/24 08:57	11/21/24 17:26	1
Acetophenone	ND		1.0	0.37	ug/L		11/14/24 08:57	11/21/24 17:26	1
Anthracene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 17:26	1
Atrazine	ND	*-	2.0	0.95	ug/L		11/14/24 08:57	11/21/24 17:26	1
Benzaldehyde	ND	*-	2.0	0.76	ug/L		11/14/24 08:57	11/21/24 17:26	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/14/24 08:57	11/21/24 17:26	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 17:26	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 17:26	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/14/24 08:57	11/21/24 17:26	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 17:26	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/14/24 08:57	11/21/24 17:26	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 17:26	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/14/24 08:57	11/21/24 17:26	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/14/24 08:57	11/21/24 17:26	1
Caprolactam	ND	*-	5.0	3.8	ug/L		11/14/24 08:57	11/21/24 17:26	1
Carbazole	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 17:26	1
Chrysene	ND		0.20	0.066	ug/L		11/14/24 08:57	11/21/24 17:26	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 17:26	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 17:26	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/14/24 08:57	11/21/24 17:26	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/14/24 08:57	11/21/24 17:26	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 17:26	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/14/24 08:57	11/21/24 17:26	1
Fluoranthene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 17:26	1
Fluorene	ND		0.20	0.079	ug/L		11/14/24 08:57	11/21/24 17:26	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 17:26	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/14/24 08:57	11/21/24 17:26	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/14/24 08:57	11/21/24 17:26	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 17:26	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 17:26	1
Isophorone	ND		1.0	0.32	ug/L		11/14/24 08:57	11/21/24 17:26	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/14/24 08:57	11/21/24 17:26	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/14/24 08:57	11/21/24 17:26	1
Naphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 17:26	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/14/24 08:57	11/21/24 17:26	1
Pentachlorophenol	ND		10	3.1	ug/L		11/14/24 08:57	11/21/24 17:26	1
Phenanthrene	ND		0.20	0.080	ug/L		11/14/24 08:57	11/21/24 17:26	1
Phenol	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 17:26	1
Pyrene	ND		0.20	0.083	ug/L		11/14/24 08:57	11/21/24 17:26	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/14/24 08:57	11/21/24 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	87		43 - 136	11/14/24 08:57	11/21/24 17:26	1
Phenol-d5 (Surr)	71		10 - 120	11/14/24 08:57	11/21/24 17:26	1
Nitrobenzene-d5 (Surr)	73		40 - 120	11/14/24 08:57	11/21/24 17:26	1
2-Fluorophenol (Surr)	88		10 - 127	11/14/24 08:57	11/21/24 17:26	1
2-Fluorobiphenyl (Surr)	78		41 - 120	11/14/24 08:57	11/21/24 17:26	1
2,4,6-Tribromophenol (Surr)	90		23 - 127	11/14/24 08:57	11/21/24 17:26	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	1.0	0.49	ug/L		11/25/24 09:58	11/27/24 12:39	1
bis (2-chloroisopropyl) ether	ND	H	1.0	0.24	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,4,5-Trichlorophenol	ND	H	5.0	2.0	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,4,6-Trichlorophenol	ND	H	5.0	1.8	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,4-Dichlorophenol	ND	H	2.0	0.26	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,4-Dimethylphenol	ND	H	2.0	0.25	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,4-Dinitrophenol	ND	H	10	2.6	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,4-Dinitrotoluene	ND	H	5.0	2.1	ug/L		11/25/24 09:58	11/27/24 12:39	1
2,6-Dinitrotoluene	ND	H	5.0	1.1	ug/L		11/25/24 09:58	11/27/24 12:39	1
2-Chloronaphthalene	ND	H	1.0	0.23	ug/L		11/25/24 09:58	11/27/24 12:39	1
2-Chlorophenol	ND	H	1.0	0.27	ug/L		11/25/24 09:58	11/27/24 12:39	1
2-Methylnaphthalene	ND	H	0.20	0.11	ug/L		11/25/24 09:58	11/27/24 12:39	1
2-Methylphenol	ND	H	1.0	0.21	ug/L		11/25/24 09:58	11/27/24 12:39	1
2-Nitroaniline	ND	H	2.0	0.51	ug/L		11/25/24 09:58	11/27/24 12:39	1
2-Nitrophenol	ND	H	2.0	0.56	ug/L		11/25/24 09:58	11/27/24 12:39	1
3,3'-Dichlorobenzidine	ND	H	5.0	1.2	ug/L		11/25/24 09:58	11/27/24 12:39	1
3-Nitroaniline	ND	H	2.0	0.57	ug/L		11/25/24 09:58	11/27/24 12:39	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	H	5.0	2.8	ug/L		11/25/24 09:58	11/27/24 12:39	1
4-Bromophenyl phenyl ether	ND	H	2.0	0.50	ug/L		11/25/24 09:58	11/27/24 12:39	1
4-Chloro-3-methylphenol	ND	H	2.0	0.30	ug/L		11/25/24 09:58	11/27/24 12:39	1
4-Chloroaniline	ND	H	2.0	0.32	ug/L		11/25/24 09:58	11/27/24 12:39	1
4-Chlorophenyl phenyl ether	ND	H	2.0	0.55	ug/L		11/25/24 09:58	11/27/24 12:39	1
4-Nitroaniline	ND	H	2.0	0.33	ug/L		11/25/24 09:58	11/27/24 12:39	1
4-Nitrophenol	ND	H	10	2.2	ug/L		11/25/24 09:58	11/27/24 12:39	1
Acenaphthene	ND	H	0.20	0.17	ug/L		11/25/24 09:58	11/27/24 12:39	1
Acenaphthylene	ND	H	0.20	0.13	ug/L		11/25/24 09:58	11/27/24 12:39	1
Acetophenone	ND	H	1.0	0.37	ug/L		11/25/24 09:58	11/27/24 12:39	1
Anthracene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 12:39	1
Atrazine	ND	H	2.0	0.95	ug/L		11/25/24 09:58	11/27/24 12:39	1
Benzaldehyde	ND	H	2.0	0.76	ug/L		11/25/24 09:58	11/27/24 12:39	1
Benzo[a]anthracene	ND	H	0.20	0.068	ug/L		11/25/24 09:58	11/27/24 12:39	1
Benzo[a]pyrene	ND	H	0.20	0.17	ug/L		11/25/24 09:58	11/27/24 12:39	1
Benzo[b]fluoranthene	ND	H	0.20	0.15	ug/L		11/25/24 09:58	11/27/24 12:39	1
Benzo[g,h,i]perylene	ND	H	0.20	0.18	ug/L		11/25/24 09:58	11/27/24 12:39	1
Benzo[k]fluoranthene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 12:39	1
Bis(2-chloroethoxy)methane	ND	H	1.0	0.22	ug/L		11/25/24 09:58	11/27/24 12:39	1
Bis(2-chloroethyl)ether	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 12:39	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/25/24 09:58	11/27/24 12:39	1
Butyl benzyl phthalate	ND	H	2.0	0.67	ug/L		11/25/24 09:58	11/27/24 12:39	1
Caprolactam	ND	H	5.0	3.8	ug/L		11/25/24 09:58	11/27/24 12:39	1
Carbazole	ND	H	1.0	0.49	ug/L		11/25/24 09:58	11/27/24 12:39	1
Chrysene	ND	H	0.20	0.066	ug/L		11/25/24 09:58	11/27/24 12:39	1
Dibenz(a,h)anthracene	ND	H	0.20	0.15	ug/L		11/25/24 09:58	11/27/24 12:39	1
Dibenzofuran	ND	H	1.0	0.27	ug/L		11/25/24 09:58	11/27/24 12:39	1
Diethyl phthalate	ND	H	5.0	0.41	ug/L		11/25/24 09:58	11/27/24 12:39	1
Dimethyl phthalate	ND	H	2.0	0.52	ug/L		11/25/24 09:58	11/27/24 12:39	1
Di-n-butyl phthalate	ND	H	5.0	1.8	ug/L		11/25/24 09:58	11/27/24 12:39	1
Di-n-octyl phthalate	ND	H	2.0	0.82	ug/L		11/25/24 09:58	11/27/24 12:39	1
Fluoranthene	ND	H	0.20	0.16	ug/L		11/25/24 09:58	11/27/24 12:39	1
Fluorene	ND	H	0.20	0.079	ug/L		11/25/24 09:58	11/27/24 12:39	1
Hexachlorobenzene	ND	H	0.20	0.16	ug/L		11/25/24 09:58	11/27/24 12:39	1
Hexachlorobutadiene	ND	H	1.0	0.54	ug/L		11/25/24 09:58	11/27/24 12:39	1
Hexachlorocyclopentadiene	ND	H	10	1.8	ug/L		11/25/24 09:58	11/27/24 12:39	1
Hexachloroethane	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 12:39	1
Indeno[1,2,3-cd]pyrene	ND	H	0.20	0.14	ug/L		11/25/24 09:58	11/27/24 12:39	1
Isophorone	ND	H	1.0	0.32	ug/L		11/25/24 09:58	11/27/24 12:39	1
N-Nitrosodi-n-propylamine	ND	H	1.0	0.25	ug/L		11/25/24 09:58	11/27/24 12:39	1
N-Nitrosodiphenylamine	ND	H	1.0	0.44	ug/L		11/25/24 09:58	11/27/24 12:39	1
Naphthalene	ND	H	0.20	0.11	ug/L		11/25/24 09:58	11/27/24 12:39	1
Nitrobenzene	ND	H	1.0	0.51	ug/L		11/25/24 09:58	11/27/24 12:39	1
Pentachlorophenol	ND	H	10	3.1	ug/L		11/25/24 09:58	11/27/24 12:39	1
Phenanthrene	ND	H	0.20	0.080	ug/L		11/25/24 09:58	11/27/24 12:39	1
Phenol	ND	H	1.0	0.40	ug/L		11/25/24 09:58	11/27/24 12:39	1
Pyrene	ND	H	0.20	0.083	ug/L		11/25/24 09:58	11/27/24 12:39	1
3 & 4 Methylphenol	ND	H	2.0	0.19	ug/L		11/25/24 09:58	11/27/24 12:39	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	80		43 - 136	11/25/24 09:58	11/27/24 12:39	1
Phenol-d5 (Surr)	65		10 - 120	11/25/24 09:58	11/27/24 12:39	1
Nitrobenzene-d5 (Surr)	74		40 - 120	11/25/24 09:58	11/27/24 12:39	1
2-Fluorophenol (Surr)	76		10 - 127	11/25/24 09:58	11/27/24 12:39	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/25/24 09:58	11/27/24 12:39	1
2,4,6-Tribromophenol (Surr)	107		23 - 127	11/25/24 09:58	11/27/24 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/14/24 08:36	11/14/24 21:14	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/14/24 08:36	11/14/24 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	48		10 - 149	11/14/24 08:36	11/14/24 21:14	1
DCB Decachlorobiphenyl	62		10 - 174	11/14/24 08:36	11/14/24 21:14	1

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		11/15/24 14:00	11/20/24 23:33	1
Barium	90	J	200	1.3	ug/L		11/15/24 14:00	11/20/24 23:33	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/20/24 23:33	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/20/24 23:33	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/20/24 23:33	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/20/24 23:33	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/20/24 23:33	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/20/24 23:33	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/20/24 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/15/24 14:00	11/20/24 23:37	1
Barium	90	J	200	1.3	ug/L		11/15/24 14:00	11/20/24 23:37	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/20/24 23:37	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/20/24 23:37	1
Copper	ND		25	3.5	ug/L		01/07/25 14:00	01/08/25 12:15	1
Lead	ND		10	2.8	ug/L		01/07/25 14:00	01/08/25 12:15	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/20/24 23:37	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/20/24 23:37	1
Zinc	ND		50	23	ug/L		01/07/25 14:00	01/08/25 12:15	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		11/15/24 14:00	11/18/24 18:05	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/15/24 14:00	11/18/24 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.081		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 16:57	1
Cyanide, Free (OI CORP OIA-1677)	0.017		0.0060	0.0050	mg/L			11/25/24 13:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/13/24 12:55	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 07:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/21/24 07:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/21/24 07:12	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 07:12	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/21/24 07:12	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/21/24 07:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/21/24 07:12	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/21/24 07:12	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/21/24 07:12	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/21/24 07:12	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/21/24 07:12	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/21/24 07:12	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/21/24 07:12	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/21/24 07:12	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/21/24 07:12	1
2-Hexanone	ND		10	1.1	ug/L			11/21/24 07:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/21/24 07:12	1
Acetone	ND		10	5.4	ug/L			11/21/24 07:12	1
Benzene	ND		1.0	0.42	ug/L			11/21/24 07:12	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/21/24 07:12	1
Bromoform	ND		1.0	0.76	ug/L			11/21/24 07:12	1
Bromomethane	ND		1.0	0.42	ug/L			11/21/24 07:12	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/21/24 07:12	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/21/24 07:12	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/21/24 07:12	1
Chloroethane	ND		1.0	0.83	ug/L			11/21/24 07:12	1
Chloroform	ND		1.0	0.47	ug/L			11/21/24 07:12	1
Chloromethane	ND		1.0	0.63	ug/L			11/21/24 07:12	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/21/24 07:12	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/21/24 07:12	1
Cyclohexane	ND		1.0	0.48	ug/L			11/21/24 07:12	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/21/24 07:12	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/21/24 07:12	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/21/24 07:12	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/21/24 07:12	1
Methyl acetate	ND		10	1.7	ug/L			11/21/24 07:12	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/21/24 07:12	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/21/24 07:12	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/21/24 07:12	1
Styrene	ND		1.0	0.45	ug/L			11/21/24 07:12	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/21/24 07:12	1
Toluene	ND		1.0	0.44	ug/L			11/21/24 07:12	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/21/24 07:12	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/21/24 07:12	1
Trichloroethene	ND		1.0	0.44	ug/L			11/21/24 07:12	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/21/24 07:12	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/21/24 07:12	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/21/24 07:12	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		78 - 122		11/21/24 07:12	1
Dibromofluoromethane (Surr)	93		73 - 120		11/21/24 07:12	1
4-Bromofluorobenzene (Surr)	96		56 - 136		11/21/24 07:12	1
1,2-Dichloroethane-d4 (Surr)	106		62 - 137		11/21/24 07:12	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/14/24 08:57	11/21/24 17:49	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/14/24 08:57	11/21/24 17:49	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/14/24 08:57	11/21/24 17:49	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/14/24 08:57	11/21/24 17:49	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/14/24 08:57	11/21/24 17:49	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/14/24 08:57	11/21/24 17:49	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/14/24 08:57	11/21/24 17:49	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/14/24 08:57	11/21/24 17:49	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/14/24 08:57	11/21/24 17:49	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/14/24 08:57	11/21/24 17:49	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/14/24 08:57	11/21/24 17:49	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/14/24 08:57	11/21/24 17:49	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/14/24 08:57	11/21/24 17:49	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/14/24 08:57	11/21/24 17:49	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/14/24 08:57	11/21/24 17:49	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/14/24 08:57	11/21/24 17:49	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/14/24 08:57	11/21/24 17:49	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/14/24 08:57	11/21/24 17:49	1
Acenaphthene	ND		0.19	0.17	ug/L		11/14/24 08:57	11/21/24 17:49	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/14/24 08:57	11/21/24 17:49	1
Acetophenone	ND		0.96	0.35	ug/L		11/14/24 08:57	11/21/24 17:49	1
Anthracene	ND		0.19	0.13	ug/L		11/14/24 08:57	11/21/24 17:49	1
Atrazine	ND	*	1.9	0.92	ug/L		11/14/24 08:57	11/21/24 17:49	1
Benzaldehyde	ND	*	1.9	0.73	ug/L		11/14/24 08:57	11/21/24 17:49	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/14/24 08:57	11/21/24 17:49	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/14/24 08:57	11/21/24 17:49	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/14/24 08:57	11/21/24 17:49	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/14/24 08:57	11/21/24 17:49	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/14/24 08:57	11/21/24 17:49	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/14/24 08:57	11/21/24 17:49	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/14/24 08:57	11/21/24 17:49	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/14/24 08:57	11/21/24 17:49	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/14/24 08:57	11/21/24 17:49	1
Caprolactam	ND	*	4.8	3.7	ug/L		11/14/24 08:57	11/21/24 17:49	1
Carbazole	ND		0.96	0.47	ug/L		11/14/24 08:57	11/21/24 17:49	1
Chrysene	ND		0.19	0.063	ug/L		11/14/24 08:57	11/21/24 17:49	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/14/24 08:57	11/21/24 17:49	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/14/24 08:57	11/21/24 17:49	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/14/24 08:57	11/21/24 17:49	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/14/24 08:57	11/21/24 17:49	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/14/24 08:57	11/21/24 17:49	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/14/24 08:57	11/21/24 17:49	1
Fluoranthene	ND		0.19	0.15	ug/L		11/14/24 08:57	11/21/24 17:49	1
Fluorene	ND		0.19	0.076	ug/L		11/14/24 08:57	11/21/24 17:49	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/14/24 08:57	11/21/24 17:49	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/14/24 08:57	11/21/24 17:49	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/14/24 08:57	11/21/24 17:49	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/14/24 08:57	11/21/24 17:49	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/14/24 08:57	11/21/24 17:49	1
Isophorone	ND		0.96	0.31	ug/L		11/14/24 08:57	11/21/24 17:49	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/14/24 08:57	11/21/24 17:49	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/14/24 08:57	11/21/24 17:49	1
Naphthalene	ND		0.19	0.10	ug/L		11/14/24 08:57	11/21/24 17:49	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/14/24 08:57	11/21/24 17:49	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/14/24 08:57	11/21/24 17:49	1
Phenanthrene	ND		0.19	0.077	ug/L		11/14/24 08:57	11/21/24 17:49	1
Phenol	ND		0.96	0.39	ug/L		11/14/24 08:57	11/21/24 17:49	1
Pyrene	ND		0.19	0.080	ug/L		11/14/24 08:57	11/21/24 17:49	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/14/24 08:57	11/21/24 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	88		43 - 136	11/14/24 08:57	11/21/24 17:49	1
Phenol-d5 (Surr)	82		10 - 120	11/14/24 08:57	11/21/24 17:49	1
Nitrobenzene-d5 (Surr)	80		40 - 120	11/14/24 08:57	11/21/24 17:49	1
2-Fluorophenol (Surr)	89		10 - 127	11/14/24 08:57	11/21/24 17:49	1
2-Fluorobiphenyl (Surr)	83		41 - 120	11/14/24 08:57	11/21/24 17:49	1
2,4,6-Tribromophenol (Surr)	96		23 - 127	11/14/24 08:57	11/21/24 17:49	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND	H	0.96	0.47	ug/L		11/25/24 09:58	11/27/24 13:02	1
bis (2-chloroisopropyl) ether	ND	H	0.96	0.23	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,4,5-Trichlorophenol	ND	H	4.8	1.9	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,4,6-Trichlorophenol	ND	H	4.8	1.7	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,4-Dichlorophenol	ND	H	1.9	0.25	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,4-Dimethylphenol	ND	H	1.9	0.24	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,4-Dinitrophenol	ND	H	9.6	2.5	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,4-Dinitrotoluene	ND	H	4.8	2.0	ug/L		11/25/24 09:58	11/27/24 13:02	1
2,6-Dinitrotoluene	ND	H	4.8	1.0	ug/L		11/25/24 09:58	11/27/24 13:02	1
2-Chloronaphthalene	ND	H	0.96	0.22	ug/L		11/25/24 09:58	11/27/24 13:02	1
2-Chlorophenol	ND	H	0.96	0.26	ug/L		11/25/24 09:58	11/27/24 13:02	1
2-Methylnaphthalene	ND	H	0.19	0.11	ug/L		11/25/24 09:58	11/27/24 13:02	1
2-Methylphenol	ND	H	0.96	0.20	ug/L		11/25/24 09:58	11/27/24 13:02	1
2-Nitroaniline	ND	H	1.9	0.49	ug/L		11/25/24 09:58	11/27/24 13:02	1
2-Nitrophenol	ND	H	1.9	0.54	ug/L		11/25/24 09:58	11/27/24 13:02	1
3,3'-Dichlorobenzidine	ND	H	4.8	1.1	ug/L		11/25/24 09:58	11/27/24 13:02	1
3-Nitroaniline	ND	H	1.9	0.54	ug/L		11/25/24 09:58	11/27/24 13:02	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - RE (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	H	4.8	2.7	ug/L		11/25/24 09:58	11/27/24 13:02	1
4-Bromophenyl phenyl ether	ND	H	1.9	0.48	ug/L		11/25/24 09:58	11/27/24 13:02	1
4-Chloro-3-methylphenol	ND	H	1.9	0.28	ug/L		11/25/24 09:58	11/27/24 13:02	1
4-Chloroaniline	ND	H	1.9	0.30	ug/L		11/25/24 09:58	11/27/24 13:02	1
4-Chlorophenyl phenyl ether	ND	H	1.9	0.53	ug/L		11/25/24 09:58	11/27/24 13:02	1
4-Nitroaniline	ND	H	1.9	0.31	ug/L		11/25/24 09:58	11/27/24 13:02	1
4-Nitrophenol	ND	H	9.6	2.1	ug/L		11/25/24 09:58	11/27/24 13:02	1
Acenaphthene	ND	H	0.19	0.17	ug/L		11/25/24 09:58	11/27/24 13:02	1
Acenaphthylene	ND	H	0.19	0.12	ug/L		11/25/24 09:58	11/27/24 13:02	1
Acetophenone	ND	H	0.96	0.35	ug/L		11/25/24 09:58	11/27/24 13:02	1
Anthracene	ND	H	0.19	0.13	ug/L		11/25/24 09:58	11/27/24 13:02	1
Atrazine	ND	H	1.9	0.92	ug/L		11/25/24 09:58	11/27/24 13:02	1
Benzaldehyde	ND	H	1.9	0.73	ug/L		11/25/24 09:58	11/27/24 13:02	1
Benzo[a]anthracene	ND	H	0.19	0.065	ug/L		11/25/24 09:58	11/27/24 13:02	1
Benzo[a]pyrene	ND	H	0.19	0.17	ug/L		11/25/24 09:58	11/27/24 13:02	1
Benzo[b]fluoranthene	ND	H	0.19	0.15	ug/L		11/25/24 09:58	11/27/24 13:02	1
Benzo[g,h,i]perylene	ND	H	0.19	0.17	ug/L		11/25/24 09:58	11/27/24 13:02	1
Benzo[k]fluoranthene	ND	H	0.19	0.13	ug/L		11/25/24 09:58	11/27/24 13:02	1
Bis(2-chloroethoxy)methane	ND	H	0.96	0.21	ug/L		11/25/24 09:58	11/27/24 13:02	1
Bis(2-chloroethyl)ether	ND	H	0.96	0.39	ug/L		11/25/24 09:58	11/27/24 13:02	1
Bis(2-ethylhexyl) phthalate	ND	H	4.8	2.1	ug/L		11/25/24 09:58	11/27/24 13:02	1
Butyl benzyl phthalate	ND	H	1.9	0.64	ug/L		11/25/24 09:58	11/27/24 13:02	1
Caprolactam	ND	H	4.8	3.7	ug/L		11/25/24 09:58	11/27/24 13:02	1
Carbazole	ND	H	0.96	0.47	ug/L		11/25/24 09:58	11/27/24 13:02	1
Chrysene	ND	H	0.19	0.063	ug/L		11/25/24 09:58	11/27/24 13:02	1
Dibenz(a,h)anthracene	ND	H	0.19	0.15	ug/L		11/25/24 09:58	11/27/24 13:02	1
Dibenzofuran	ND	H	0.96	0.26	ug/L		11/25/24 09:58	11/27/24 13:02	1
Diethyl phthalate	ND	H	4.8	0.39	ug/L		11/25/24 09:58	11/27/24 13:02	1
Dimethyl phthalate	ND	H	1.9	0.50	ug/L		11/25/24 09:58	11/27/24 13:02	1
Di-n-butyl phthalate	ND	H	4.8	1.7	ug/L		11/25/24 09:58	11/27/24 13:02	1
Di-n-octyl phthalate	ND	H	1.9	0.79	ug/L		11/25/24 09:58	11/27/24 13:02	1
Fluoranthene	ND	H	0.19	0.15	ug/L		11/25/24 09:58	11/27/24 13:02	1
Fluorene	ND	H	0.19	0.076	ug/L		11/25/24 09:58	11/27/24 13:02	1
Hexachlorobenzene	ND	H	0.19	0.15	ug/L		11/25/24 09:58	11/27/24 13:02	1
Hexachlorobutadiene	ND	H	0.96	0.52	ug/L		11/25/24 09:58	11/27/24 13:02	1
Hexachlorocyclopentadiene	ND	H	9.6	1.7	ug/L		11/25/24 09:58	11/27/24 13:02	1
Hexachloroethane	ND	H	0.96	0.38	ug/L		11/25/24 09:58	11/27/24 13:02	1
Indeno[1,2,3-cd]pyrene	ND	H	0.19	0.13	ug/L		11/25/24 09:58	11/27/24 13:02	1
Isophorone	ND	H	0.96	0.31	ug/L		11/25/24 09:58	11/27/24 13:02	1
N-Nitrosodi-n-propylamine	ND	H	0.96	0.24	ug/L		11/25/24 09:58	11/27/24 13:02	1
N-Nitrosodiphenylamine	ND	H	0.96	0.42	ug/L		11/25/24 09:58	11/27/24 13:02	1
Naphthalene	ND	H	0.19	0.10	ug/L		11/25/24 09:58	11/27/24 13:02	1
Nitrobenzene	ND	H	0.96	0.49	ug/L		11/25/24 09:58	11/27/24 13:02	1
Pentachlorophenol	ND	H	9.6	3.0	ug/L		11/25/24 09:58	11/27/24 13:02	1
Phenanthrene	ND	H	0.19	0.077	ug/L		11/25/24 09:58	11/27/24 13:02	1
Phenol	ND	H	0.96	0.39	ug/L		11/25/24 09:58	11/27/24 13:02	1
Pyrene	ND	H	0.19	0.080	ug/L		11/25/24 09:58	11/27/24 13:02	1
3 & 4 Methylphenol	ND	H	1.9	0.18	ug/L		11/25/24 09:58	11/27/24 13:02	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	75		43 - 136	11/25/24 09:58	11/27/24 13:02	1
Phenol-d5 (Surr)	62		10 - 120	11/25/24 09:58	11/27/24 13:02	1
Nitrobenzene-d5 (Surr)	70		40 - 120	11/25/24 09:58	11/27/24 13:02	1
2-Fluorophenol (Surr)	65		10 - 127	11/25/24 09:58	11/27/24 13:02	1
2-Fluorobiphenyl (Surr)	69		41 - 120	11/25/24 09:58	11/27/24 13:02	1
2,4,6-Tribromophenol (Surr)	100		23 - 127	11/25/24 09:58	11/27/24 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/14/24 08:36	11/14/24 21:26	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/14/24 08:36	11/14/24 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	50		10 - 149	11/14/24 08:36	11/14/24 21:26	1
DCB Decachlorobiphenyl	62		10 - 174	11/14/24 08:36	11/14/24 21:26	1

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		11/15/24 14:00	11/20/24 23:41	1
Barium	90	J	200	1.3	ug/L		11/15/24 14:00	11/20/24 23:41	1
Cadmium	0.52	J	5.0	0.45	ug/L		11/15/24 14:00	11/20/24 23:41	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/20/24 23:41	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/20/24 23:41	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/20/24 23:41	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/20/24 23:41	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/20/24 23:41	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/20/24 23:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/15/24 14:00	11/20/24 23:46	1
Barium	88	J	200	1.3	ug/L		11/15/24 14:00	11/20/24 23:46	1
Cadmium	0.48	J	5.0	0.45	ug/L		11/15/24 14:00	11/20/24 23:46	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/20/24 23:46	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/20/24 23:46	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/20/24 23:46	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/20/24 23:46	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/20/24 23:46	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/20/24 23:46	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		11/15/24 14:00	11/18/24 18:08	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/15/24 14:00	11/18/24 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.083		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 16:59	1
Cyanide, Free (OI CORP OIA-1677)	0.012		0.0060	0.0050	mg/L			11/25/24 13:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/13/24 12:55	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: TB-2-20241112

Lab Sample ID: 240-214891-3

Date Collected: 11/12/24 00:00

Matrix: Water

Date Received: 11/13/24 12:36

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/21/24 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/21/24 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 11:54	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/21/24 11:54	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/21/24 11:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/21/24 11:54	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/21/24 11:54	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/21/24 11:54	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/21/24 11:54	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/21/24 11:54	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/21/24 11:54	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/21/24 11:54	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/21/24 11:54	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/21/24 11:54	1
2-Hexanone	ND		10	1.1	ug/L			11/21/24 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/21/24 11:54	1
Acetone	ND		10	5.4	ug/L			11/21/24 11:54	1
Benzene	ND		1.0	0.42	ug/L			11/21/24 11:54	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/21/24 11:54	1
Bromoform	ND		1.0	0.76	ug/L			11/21/24 11:54	1
Bromomethane	ND		1.0	0.42	ug/L			11/21/24 11:54	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/21/24 11:54	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/21/24 11:54	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/21/24 11:54	1
Chloroethane	ND		1.0	0.83	ug/L			11/21/24 11:54	1
Chloroform	ND		1.0	0.47	ug/L			11/21/24 11:54	1
Chloromethane	ND		1.0	0.63	ug/L			11/21/24 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/21/24 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/21/24 11:54	1
Cyclohexane	ND		1.0	0.48	ug/L			11/21/24 11:54	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/21/24 11:54	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/21/24 11:54	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/21/24 11:54	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/21/24 11:54	1
Methyl acetate	ND		10	1.7	ug/L			11/21/24 11:54	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/21/24 11:54	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/21/24 11:54	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/21/24 11:54	1
Styrene	ND		1.0	0.45	ug/L			11/21/24 11:54	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/21/24 11:54	1
Toluene	ND		1.0	0.44	ug/L			11/21/24 11:54	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/21/24 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/21/24 11:54	1
Trichloroethene	ND		1.0	0.44	ug/L			11/21/24 11:54	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/21/24 11:54	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/21/24 11:54	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/21/24 11:54	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214891-1

Client Sample ID: TB-2-20241112

Lab Sample ID: 240-214891-3

Date Collected: 11/12/24 00:00

Matrix: Water

Date Received: 11/13/24 12:36

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	99		78 - 122		11/21/24 11:54	1
Dibromofluoromethane (Surr)	95		73 - 120		11/21/24 11:54	1
4-Bromofluorobenzene (Surr)	99		56 - 136		11/21/24 11:54	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		11/21/24 11:54	1

Surrogate Summary

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

Job ID: 240-214891-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-214891-1	MW-13-20241112	99	96	98	109
240-214891-2	DUP-1-20241112	98	93	96	106
240-214891-3	TB-2-20241112	99	95	99	109
LCS 240-636101/5	Lab Control Sample	102	95	100	102
LCS 240-636129/3	Lab Control Sample	102	93	102	103
MB 240-636101/12	Method Blank	101	101	100	112
MB 240-636129/8	Method Blank	100	96	99	110

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-214891-1	MW-13-20241112	87	71	73	88	78	90
240-214891-1 - RE	MW-13-20241112	80	65	74	76	77	107
240-214891-2	DUP-1-20241112	88	82	80	89	83	96
240-214891-2 - RE	DUP-1-20241112	75	62	70	65	69	100
LCS 240-635223/2-A	Lab Control Sample	82	76	83	122	77	92
LCS 240-636626/2-A	Lab Control Sample	81	56	76	85	76	105
MB 240-635223/1-A	Method Blank	94	84	81	80	82	88
MB 240-636626/1-A	Method Blank	67	47	60	51	77	103

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

NBZ = Nitrobenzene-d5 (Surr)

2FP = 2-Fluorophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (10-149)	DCBP1 (10-174)
240-214891-1	MW-13-20241112	48	62
240-214891-2	DUP-1-20241112	50	62
LCS 240-635213/2-A	Lab Control Sample	74	57
MB 240-635213/1-A	Method Blank	69	70

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636101/12

Matrix: Water

Analysis Batch: 636101

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 23:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/20/24 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/20/24 23:24	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 23:24	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/20/24 23:24	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/20/24 23:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/20/24 23:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/20/24 23:24	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/20/24 23:24	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/20/24 23:24	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/20/24 23:24	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/20/24 23:24	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/20/24 23:24	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/20/24 23:24	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/20/24 23:24	1
2-Hexanone	ND		10	1.1	ug/L			11/20/24 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/20/24 23:24	1
Acetone	ND		10	5.4	ug/L			11/20/24 23:24	1
Benzene	ND		1.0	0.42	ug/L			11/20/24 23:24	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/20/24 23:24	1
Bromoform	ND		1.0	0.76	ug/L			11/20/24 23:24	1
Bromomethane	ND		1.0	0.42	ug/L			11/20/24 23:24	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/20/24 23:24	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/20/24 23:24	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/20/24 23:24	1
Chloroethane	ND		1.0	0.83	ug/L			11/20/24 23:24	1
Chloroform	ND		1.0	0.47	ug/L			11/20/24 23:24	1
Chloromethane	ND		1.0	0.63	ug/L			11/20/24 23:24	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/20/24 23:24	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/20/24 23:24	1
Cyclohexane	ND		1.0	0.48	ug/L			11/20/24 23:24	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/20/24 23:24	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/20/24 23:24	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/20/24 23:24	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/20/24 23:24	1
Methyl acetate	ND		10	1.7	ug/L			11/20/24 23:24	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/20/24 23:24	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/20/24 23:24	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/20/24 23:24	1
Styrene	ND		1.0	0.45	ug/L			11/20/24 23:24	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/20/24 23:24	1
Toluene	ND		1.0	0.44	ug/L			11/20/24 23:24	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/20/24 23:24	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/20/24 23:24	1
Trichloroethene	ND		1.0	0.44	ug/L			11/20/24 23:24	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/20/24 23:24	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/20/24 23:24	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/20/24 23:24	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636101/12
Matrix: Water
Analysis Batch: 636101

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		78 - 122		11/20/24 23:24	1
Dibromofluoromethane (Surr)	101		73 - 120		11/20/24 23:24	1
4-Bromofluorobenzene (Surr)	100		56 - 136		11/20/24 23:24	1
1,2-Dichloroethane-d4 (Surr)	112		62 - 137		11/20/24 23:24	1

Lab Sample ID: LCS 240-636101/5
Matrix: Water
Analysis Batch: 636101

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	20.5		ug/L		82	64 - 131
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	20.9		ug/L		84	51 - 146
1,1,2-Trichloroethane	25.0	22.6		ug/L		90	70 - 138
1,1-Dichloroethane	25.0	22.0		ug/L		88	72 - 127
1,1-Dichloroethene	25.0	20.1		ug/L		80	63 - 134
1,2,4-Trichlorobenzene	25.0	20.1		ug/L		80	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	17.8		ug/L		71	53 - 135
Ethylene Dibromide	25.0	21.4		ug/L		86	71 - 134
1,2-Dichlorobenzene	25.0	21.0		ug/L		84	78 - 120
1,2-Dichloroethane	25.0	22.2		ug/L		89	66 - 128
1,2-Dichloropropane	25.0	23.0		ug/L		92	75 - 133
1,3-Dichlorobenzene	25.0	21.5		ug/L		86	80 - 120
1,4-Dichlorobenzene	25.0	21.1		ug/L		84	80 - 120
2-Butanone (MEK)	50.0	41.7		ug/L		83	54 - 156
2-Hexanone	50.0	46.5		ug/L		93	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	41.6		ug/L		83	46 - 158
Acetone	50.0	49.4		ug/L		99	50 - 149
Benzene	25.0	22.3		ug/L		89	77 - 123
Dichlorobromomethane	25.0	19.8		ug/L		79	69 - 126
Bromoform	25.0	16.2		ug/L		65	57 - 129
Bromomethane	25.0	12.9		ug/L		51	36 - 142
Carbon disulfide	25.0	19.9		ug/L		80	43 - 140
Carbon tetrachloride	25.0	18.9		ug/L		76	55 - 137
Chlorobenzene	25.0	21.1		ug/L		84	80 - 121
Chloroethane	25.0	22.3		ug/L		89	38 - 152
Chloroform	25.0	20.1		ug/L		81	74 - 122
Chloromethane	25.0	18.3		ug/L		73	47 - 143
cis-1,2-Dichloroethene	25.0	21.1		ug/L		84	77 - 123
cis-1,3-Dichloropropene	25.0	19.3		ug/L		77	64 - 130
Cyclohexane	25.0	21.6		ug/L		86	58 - 146
Chlorodibromomethane	25.0	18.0		ug/L		72	70 - 124
Dichlorodifluoromethane	25.0	17.2		ug/L		69	34 - 153
Ethylbenzene	25.0	21.5		ug/L		86	80 - 121
Isopropylbenzene	25.0	23.6		ug/L		94	74 - 128
Methyl acetate	50.0	44.2		ug/L		88	42 - 169
Methyl tert-butyl ether	25.0	22.0		ug/L		88	65 - 126
Methylcyclohexane	25.0	21.8		ug/L		87	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636101/5

Matrix: Water

Analysis Batch: 636101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	20.4		ug/L		82	71 - 125
Styrene	25.0	21.4		ug/L		86	80 - 135
Tetrachloroethene	25.0	19.4		ug/L		77	76 - 123
Toluene	25.0	21.6		ug/L		86	80 - 123
trans-1,2-Dichloroethene	25.0	20.7		ug/L		83	75 - 124
trans-1,3-Dichloropropene	25.0	21.1		ug/L		84	57 - 129
Trichloroethene	25.0	20.3		ug/L		81	70 - 122
Trichlorofluoromethane	25.0	20.3		ug/L		81	30 - 170
Vinyl chloride	25.0	22.7		ug/L		91	60 - 144
Xylenes, Total	50.0	41.9		ug/L		84	80 - 121
m-Xylene & p-Xylene	25.0	20.8		ug/L		83	80 - 120
o-Xylene	25.0	21.1		ug/L		84	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120
4-Bromofluorobenzene (Surr)	100		56 - 136
1,2-Dichloroethane-d4 (Surr)	102		62 - 137

Lab Sample ID: MB 240-636129/8

Matrix: Water

Analysis Batch: 636129

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/21/24 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/21/24 11:30	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/21/24 11:30	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/21/24 11:30	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/21/24 11:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/21/24 11:30	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/21/24 11:30	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/21/24 11:30	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/21/24 11:30	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/21/24 11:30	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/21/24 11:30	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/21/24 11:30	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/21/24 11:30	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/21/24 11:30	1
2-Hexanone	ND		10	1.1	ug/L			11/21/24 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/21/24 11:30	1
Acetone	ND		10	5.4	ug/L			11/21/24 11:30	1
Benzene	ND		1.0	0.42	ug/L			11/21/24 11:30	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/21/24 11:30	1
Bromoform	ND		1.0	0.76	ug/L			11/21/24 11:30	1
Bromomethane	ND		1.0	0.42	ug/L			11/21/24 11:30	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/21/24 11:30	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/21/24 11:30	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636129/8
Matrix: Water
Analysis Batch: 636129

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.38	ug/L			11/21/24 11:30	1
Chloroethane	ND		1.0	0.83	ug/L			11/21/24 11:30	1
Chloroform	ND		1.0	0.47	ug/L			11/21/24 11:30	1
Chloromethane	ND		1.0	0.63	ug/L			11/21/24 11:30	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/21/24 11:30	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/21/24 11:30	1
Cyclohexane	ND		1.0	0.48	ug/L			11/21/24 11:30	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/21/24 11:30	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/21/24 11:30	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/21/24 11:30	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/21/24 11:30	1
Methyl acetate	ND		10	1.7	ug/L			11/21/24 11:30	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/21/24 11:30	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/21/24 11:30	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/21/24 11:30	1
Styrene	ND		1.0	0.45	ug/L			11/21/24 11:30	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/21/24 11:30	1
Toluene	ND		1.0	0.44	ug/L			11/21/24 11:30	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/21/24 11:30	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/21/24 11:30	1
Trichloroethene	ND		1.0	0.44	ug/L			11/21/24 11:30	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/21/24 11:30	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/21/24 11:30	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/21/24 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		78 - 122		11/21/24 11:30	1
Dibromofluoromethane (Surr)	96		73 - 120		11/21/24 11:30	1
4-Bromofluorobenzene (Surr)	99		56 - 136		11/21/24 11:30	1
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		11/21/24 11:30	1

Lab Sample ID: LCS 240-636129/3
Matrix: Water
Analysis Batch: 636129

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	20.9		ug/L		83	64 - 131
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	19.0		ug/L		76	51 - 146
1,1,2-Trichloroethane	25.0	23.4		ug/L		94	70 - 138
1,1-Dichloroethane	25.0	22.3		ug/L		89	72 - 127
1,1-Dichloroethene	25.0	20.8		ug/L		83	63 - 134
1,2,4-Trichlorobenzene	25.0	20.7		ug/L		83	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	17.6		ug/L		70	53 - 135
Ethylene Dibromide	25.0	22.3		ug/L		89	71 - 134
1,2-Dichlorobenzene	25.0	22.4		ug/L		89	78 - 120
1,2-Dichloroethane	25.0	22.9		ug/L		92	66 - 128
1,2-Dichloropropane	25.0	24.0		ug/L		96	75 - 133

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636129/3

Matrix: Water

Analysis Batch: 636129

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120
1,4-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 120
2-Butanone (MEK)	50.0	42.1		ug/L		84	54 - 156
2-Hexanone	50.0	47.7		ug/L		95	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	43.1		ug/L		86	46 - 158
Acetone	50.0	49.3		ug/L		99	50 - 149
Benzene	25.0	22.8		ug/L		91	77 - 123
Dichlorobromomethane	25.0	20.1		ug/L		80	69 - 126
Bromoform	25.0	16.8		ug/L		67	57 - 129
Bromomethane	25.0	14.4		ug/L		57	36 - 142
Carbon disulfide	25.0	20.1		ug/L		80	43 - 140
Carbon tetrachloride	25.0	19.1		ug/L		77	55 - 137
Chlorobenzene	25.0	22.2		ug/L		89	80 - 121
Chloroethane	25.0	21.7		ug/L		87	38 - 152
Chloroform	25.0	21.0		ug/L		84	74 - 122
Chloromethane	25.0	19.2		ug/L		77	47 - 143
cis-1,2-Dichloroethene	25.0	21.6		ug/L		86	77 - 123
cis-1,3-Dichloropropene	25.0	19.6		ug/L		78	64 - 130
Cyclohexane	25.0	20.5		ug/L		82	58 - 146
Chlorodibromomethane	25.0	18.8		ug/L		75	70 - 124
Dichlorodifluoromethane	25.0	15.3		ug/L		61	34 - 153
Ethylbenzene	25.0	22.5		ug/L		90	80 - 121
Isopropylbenzene	25.0	25.1		ug/L		100	74 - 128
Methyl acetate	50.0	44.9		ug/L		90	42 - 169
Methyl tert-butyl ether	25.0	23.3		ug/L		93	65 - 126
Methylcyclohexane	25.0	20.2		ug/L		81	62 - 136
Methylene Chloride	25.0	21.2		ug/L		85	71 - 125
Styrene	25.0	22.9		ug/L		91	80 - 135
Tetrachloroethene	25.0	20.0		ug/L		80	76 - 123
Toluene	25.0	22.2		ug/L		89	80 - 123
trans-1,2-Dichloroethene	25.0	20.9		ug/L		84	75 - 124
trans-1,3-Dichloropropene	25.0	21.5		ug/L		86	57 - 129
Trichloroethene	25.0	20.7		ug/L		83	70 - 122
Trichlorofluoromethane	25.0	19.8		ug/L		79	30 - 170
Vinyl chloride	25.0	23.5		ug/L		94	60 - 144
Xylenes, Total	50.0	43.7		ug/L		87	80 - 121
m-Xylene & p-Xylene	25.0	21.7		ug/L		87	80 - 120
o-Xylene	25.0	22.0		ug/L		88	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120
4-Bromofluorobenzene (Surr)	102		56 - 136
1,2-Dichloroethane-d4 (Surr)	103		62 - 137

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-635223/1-A
Matrix: Water
Analysis Batch: 636141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635223

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 08:43	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/14/24 08:57	11/21/24 08:43	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/14/24 08:57	11/21/24 08:43	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/14/24 08:57	11/21/24 08:43	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/14/24 08:57	11/21/24 08:43	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/14/24 08:57	11/21/24 08:43	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/14/24 08:57	11/21/24 08:43	1
4-Nitrophenol	ND		10	2.2	ug/L		11/14/24 08:57	11/21/24 08:43	1
Acenaphthene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 08:43	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/14/24 08:57	11/21/24 08:43	1
Acetophenone	ND		1.0	0.37	ug/L		11/14/24 08:57	11/21/24 08:43	1
Anthracene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 08:43	1
Atrazine	ND		2.0	0.95	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/14/24 08:57	11/21/24 08:43	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 08:43	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/14/24 08:57	11/21/24 08:43	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 08:43	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/14/24 08:57	11/21/24 08:43	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/14/24 08:57	11/21/24 08:43	1
Caprolactam	ND		5.0	3.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
Carbazole	ND		1.0	0.49	ug/L		11/14/24 08:57	11/21/24 08:43	1
Chrysene	ND		0.20	0.066	ug/L		11/14/24 08:57	11/21/24 08:43	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/14/24 08:57	11/21/24 08:43	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/14/24 08:57	11/21/24 08:43	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/14/24 08:57	11/21/24 08:43	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/14/24 08:57	11/21/24 08:43	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/14/24 08:57	11/21/24 08:43	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-635223/1-A
Matrix: Water
Analysis Batch: 636141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 08:43	1
Fluorene	ND		0.20	0.079	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/14/24 08:57	11/21/24 08:43	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 08:43	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/14/24 08:57	11/21/24 08:43	1
Isophorone	ND		1.0	0.32	ug/L		11/14/24 08:57	11/21/24 08:43	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/14/24 08:57	11/21/24 08:43	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/14/24 08:57	11/21/24 08:43	1
Naphthalene	ND		0.20	0.11	ug/L		11/14/24 08:57	11/21/24 08:43	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/14/24 08:57	11/21/24 08:43	1
Pentachlorophenol	ND		10	3.1	ug/L		11/14/24 08:57	11/21/24 08:43	1
Phenanthrene	ND		0.20	0.080	ug/L		11/14/24 08:57	11/21/24 08:43	1
Phenol	ND		1.0	0.40	ug/L		11/14/24 08:57	11/21/24 08:43	1
Pyrene	ND		0.20	0.083	ug/L		11/14/24 08:57	11/21/24 08:43	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/14/24 08:57	11/21/24 08:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	94		43 - 136	11/14/24 08:57	11/21/24 08:43	1
Phenol-d5 (Surr)	84		10 - 120	11/14/24 08:57	11/21/24 08:43	1
Nitrobenzene-d5 (Surr)	81		40 - 120	11/14/24 08:57	11/21/24 08:43	1
2-Fluorophenol (Surr)	80		10 - 127	11/14/24 08:57	11/21/24 08:43	1
2-Fluorobiphenyl (Surr)	82		41 - 120	11/14/24 08:57	11/21/24 08:43	1
2,4,6-Tribromophenol (Surr)	88		23 - 127	11/14/24 08:57	11/21/24 08:43	1

Lab Sample ID: LCS 240-635223/2-A
Matrix: Water
Analysis Batch: 636141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	32.0	18.5		ug/L		58	48 - 120
bis (2-chloroisopropyl) ether	32.0	18.1		ug/L		56	34 - 126
2,4,5-Trichlorophenol	32.0	21.0		ug/L		66	51 - 129
2,4,6-Trichlorophenol	32.0	20.5		ug/L		64	51 - 128
2,4-Dichlorophenol	32.0	20.7		ug/L		65	57 - 122
2,4-Dimethylphenol	32.0	25.1		ug/L		78	33 - 120
2,4-Dinitrophenol	64.0	33.8		ug/L		53	27 - 126
2,4-Dinitrotoluene	32.0	21.4		ug/L		67	55 - 131
2,6-Dinitrotoluene	32.0	21.4		ug/L		67	54 - 134
2-Chloronaphthalene	32.0	18.9		ug/L		59	50 - 120
2-Chlorophenol	32.0	22.7		ug/L		71	57 - 120
2-Methylnaphthalene	32.0	17.0		ug/L		53	47 - 120
2-Methylphenol	32.0	21.6		ug/L		68	47 - 120
2-Nitroaniline	32.0	20.3		ug/L		64	51 - 138
2-Nitrophenol	32.0	20.4		ug/L		64	53 - 127
3,3'-Dichlorobenzidine	64.0	43.1		ug/L		67	39 - 150
3-Nitroaniline	32.0	21.4		ug/L		67	13 - 156

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-635223/2-A
Matrix: Water
Analysis Batch: 636141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
4,6-Dinitro-2-methylphenol	64.0	43.8		ug/L		68	45 - 130
4-Bromophenyl phenyl ether	32.0	22.6		ug/L		70	51 - 129
4-Chloro-3-methylphenol	32.0	20.2		ug/L		63	57 - 126
4-Chloroaniline	32.0	5.35		ug/L		17	10 - 120
4-Chlorophenyl phenyl ether	32.0	20.3		ug/L		63	52 - 122
4-Nitroaniline	32.0	25.3		ug/L		79	44 - 156
4-Nitrophenol	64.0	32.0		ug/L		50	14 - 120
Acenaphthene	32.0	19.5		ug/L		61	50 - 120
Acenaphthylene	32.0	21.4		ug/L		67	49 - 120
Acetophenone	32.0	19.1		ug/L		60	52 - 120
Anthracene	32.0	23.0		ug/L		72	55 - 124
Atrazine	32.0	ND	*-	ug/L		0	50 - 152
Benzaldehyde	32.0	ND	*-	ug/L		0	36 - 168
Benzo[a]anthracene	32.0	21.7		ug/L		68	55 - 130
Benzo[a]pyrene	32.0	22.3		ug/L		70	51 - 123
Benzo[b]fluoranthene	32.0	21.9		ug/L		68	51 - 130
Benzo[g,h,i]perylene	32.0	23.2		ug/L		73	55 - 135
Benzo[k]fluoranthene	32.0	22.1		ug/L		69	53 - 130
Bis(2-chloroethoxy)methane	32.0	20.2		ug/L		63	50 - 121
Bis(2-chloroethyl)ether	32.0	18.0		ug/L		56	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	22.1		ug/L		69	45 - 142
Butyl benzyl phthalate	32.0	20.8		ug/L		65	48 - 140
Caprolactam	32.0	ND	*-	ug/L		0	10 - 120
Carbazole	32.0	22.5		ug/L		70	56 - 135
Chrysene	32.0	20.6		ug/L		64	52 - 126
Dibenz(a,h)anthracene	32.0	21.7		ug/L		68	57 - 132
Dibenzofuran	32.0	19.2		ug/L		60	52 - 120
Diethyl phthalate	32.0	21.7		ug/L		68	51 - 127
Dimethyl phthalate	32.0	21.1		ug/L		66	40 - 136
Di-n-butyl phthalate	32.0	23.7		ug/L		74	56 - 138
Di-n-octyl phthalate	32.0	22.2		ug/L		69	45 - 135
Fluoranthene	32.0	23.4		ug/L		73	56 - 135
Fluorene	32.0	19.7		ug/L		62	52 - 124
Hexachlorobenzene	32.0	22.6		ug/L		71	49 - 127
Hexachlorobutadiene	32.0	17.2		ug/L		54	36 - 120
Hexachlorocyclopentadiene	32.0	23.3		ug/L		73	10 - 120
Hexachloroethane	32.0	17.1		ug/L		54	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	21.9		ug/L		69	55 - 134
Isophorone	32.0	21.4		ug/L		67	50 - 127
N-Nitrosodi-n-propylamine	32.0	20.7		ug/L		65	49 - 128
N-Nitrosodiphenylamine	32.0	21.5		ug/L		67	53 - 127
Naphthalene	32.0	18.1		ug/L		57	46 - 120
Nitrobenzene	32.0	20.0		ug/L		63	50 - 123
Pentachlorophenol	64.0	40.2		ug/L		63	24 - 124
Phenanthrene	32.0	21.1		ug/L		66	54 - 120
Phenol	32.0	19.8		ug/L		62	10 - 120
Pyrene	32.0	21.0		ug/L		66	53 - 135
3 & 4 Methylphenol	32.0	19.8		ug/L		62	41 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-635223/2-A
Matrix: Water
Analysis Batch: 636141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635223

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	82		43 - 136
Phenol-d5 (Surr)	76		10 - 120
Nitrobenzene-d5 (Surr)	83		40 - 120
2-Fluorophenol (Surr)	122		10 - 127
2-Fluorobiphenyl (Surr)	77		41 - 120
2,4,6-Tribromophenol (Surr)	92		23 - 127

Lab Sample ID: MB 240-636626/1-A
Matrix: Water
Analysis Batch: 636931

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/25/24 09:58	11/27/24 08:49	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/25/24 09:58	11/27/24 08:49	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitrophenol	ND		10	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acetophenone	ND		1.0	0.37	ug/L		11/25/24 09:58	11/27/24 08:49	1
Anthracene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Atrazine	ND		2.0	0.95	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A
Matrix: Water
Analysis Batch: 636931

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/25/24 09:58	11/27/24 08:49	1
Caprolactam	ND		5.0	3.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Carbazole	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
Chrysene	ND		0.20	0.066	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluoranthene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluorene	ND		0.20	0.079	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Isophorone	ND		1.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/25/24 09:58	11/27/24 08:49	1
Naphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pentachlorophenol	ND		10	3.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenanthrene	ND		0.20	0.080	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenol	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pyrene	ND		0.20	0.083	ug/L		11/25/24 09:58	11/27/24 08:49	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/25/24 09:58	11/27/24 08:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	67		43 - 136	11/25/24 09:58	11/27/24 08:49	1
Phenol-d5 (Surr)	47		10 - 120	11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene-d5 (Surr)	60		40 - 120	11/25/24 09:58	11/27/24 08:49	1
2-Fluorophenol (Surr)	51		10 - 127	11/25/24 09:58	11/27/24 08:49	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/25/24 09:58	11/27/24 08:49	1
2,4,6-Tribromophenol (Surr)	103		23 - 127	11/25/24 09:58	11/27/24 08:49	1

Lab Sample ID: LCS 240-636626/2-A
Matrix: Water
Analysis Batch: 636931

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	32.0	23.3		ug/L		73	48 - 120
bis (2-chloroisopropyl) ether	32.0	23.7		ug/L		74	34 - 126
2,4,5-Trichlorophenol	32.0	28.6		ug/L		89	51 - 129
2,4,6-Trichlorophenol	32.0	27.0		ug/L		84	51 - 128
2,4-Dichlorophenol	32.0	26.6		ug/L		83	57 - 122

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636626/2-A
Matrix: Water
Analysis Batch: 636931

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	32.0	32.0		ug/L		100	33 - 120
2,4-Dinitrophenol	64.0	55.6		ug/L		87	27 - 126
2,4-Dinitrotoluene	32.0	30.3		ug/L		95	55 - 131
2,6-Dinitrotoluene	32.0	29.9		ug/L		93	54 - 134
2-Chloronaphthalene	32.0	23.4		ug/L		73	50 - 120
2-Chlorophenol	32.0	27.7		ug/L		87	57 - 120
2-Methylnaphthalene	32.0	21.8		ug/L		68	47 - 120
2-Methylphenol	32.0	27.8		ug/L		87	47 - 120
2-Nitroaniline	32.0	28.0		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.6		ug/L		83	53 - 127
3,3'-Dichlorobenzidine	64.0	59.8		ug/L		93	39 - 150
3-Nitroaniline	32.0	29.5		ug/L		92	13 - 156
4,6-Dinitro-2-methylphenol	64.0	64.5		ug/L		101	45 - 130
4-Bromophenyl phenyl ether	32.0	30.0		ug/L		94	51 - 129
4-Chloro-3-methylphenol	32.0	27.5		ug/L		86	57 - 126
4-Chloroaniline	32.0	6.70		ug/L		21	10 - 120
4-Chlorophenyl phenyl ether	32.0	26.4		ug/L		83	52 - 122
4-Nitroaniline	32.0	43.7		ug/L		136	44 - 156
4-Nitrophenol	64.0	41.7		ug/L		65	14 - 120
Acenaphthene	32.0	24.7		ug/L		77	50 - 120
Acenaphthylene	32.0	27.8		ug/L		87	49 - 120
Acetophenone	32.0	25.9		ug/L		81	52 - 120
Anthracene	32.0	29.4		ug/L		92	55 - 124
Atrazine	32.0	33.4		ug/L		104	50 - 152
Benzaldehyde	32.0	31.1		ug/L		97	36 - 168
Benzo[a]anthracene	32.0	29.3		ug/L		91	55 - 130
Benzo[a]pyrene	32.0	31.1		ug/L		97	51 - 123
Benzo[b]fluoranthene	32.0	30.4		ug/L		95	51 - 130
Benzo[g,h,i]perylene	32.0	31.1		ug/L		97	55 - 135
Benzo[k]fluoranthene	32.0	28.0		ug/L		88	53 - 130
Bis(2-chloroethoxy)methane	32.0	24.9		ug/L		78	50 - 121
Bis(2-chloroethyl)ether	32.0	23.3		ug/L		73	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.7		ug/L		90	45 - 142
Butyl benzyl phthalate	32.0	27.6		ug/L		86	48 - 140
Caprolactam	32.0	6.88		ug/L		21	10 - 120
Carbazole	32.0	30.5		ug/L		95	56 - 135
Chrysene	32.0	25.8		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	30.1		ug/L		94	57 - 132
Dibenzofuran	32.0	24.6		ug/L		77	52 - 120
Diethyl phthalate	32.0	27.5		ug/L		86	51 - 127
Dimethyl phthalate	32.0	28.5		ug/L		89	40 - 136
Di-n-butyl phthalate	32.0	31.7		ug/L		99	56 - 138
Di-n-octyl phthalate	32.0	28.2		ug/L		88	45 - 135
Fluoranthene	32.0	30.6		ug/L		95	56 - 135
Fluorene	32.0	25.7		ug/L		80	52 - 124
Hexachlorobenzene	32.0	28.7		ug/L		90	49 - 127
Hexachlorobutadiene	32.0	21.4		ug/L		67	36 - 120
Hexachlorocyclopentadiene	32.0	30.1		ug/L		94	10 - 120
Hexachloroethane	32.0	21.0		ug/L		66	39 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636626/2-A
Matrix: Water
Analysis Batch: 636931

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	32.0	30.7		ug/L		96	55 - 134
Isophorone	32.0	26.8		ug/L		84	50 - 127
N-Nitrosodi-n-propylamine	32.0	26.9		ug/L		84	49 - 128
N-Nitrosodiphenylamine	32.0	28.1		ug/L		88	53 - 127
Naphthalene	32.0	22.2		ug/L		69	46 - 120
Nitrobenzene	32.0	24.2		ug/L		76	50 - 123
Pentachlorophenol	64.0	56.9		ug/L		89	24 - 124
Phenanthrene	32.0	26.4		ug/L		83	54 - 120
Phenol	32.0	17.9		ug/L		56	10 - 120
Pyrene	32.0	27.2		ug/L		85	53 - 135
3 & 4 Methylphenol	32.0	25.3		ug/L		79	41 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	81		43 - 136
Phenol-d5 (Surr)	56		10 - 120
Nitrobenzene-d5 (Surr)	76		40 - 120
2-Fluorophenol (Surr)	85		10 - 127
2-Fluorobiphenyl (Surr)	76		41 - 120
2,4,6-Tribromophenol (Surr)	105		23 - 127

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

Lab Sample ID: MB 240-635213/1-A
Matrix: Water
Analysis Batch: 635182

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635213

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.10	0.056	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/14/24 08:36	11/14/24 16:23	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/14/24 08:36	11/14/24 16:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	69		10 - 149	11/14/24 08:36	11/14/24 16:23	1
DCB Decachlorobiphenyl	70		10 - 174	11/14/24 08:36	11/14/24 16:23	1

Lab Sample ID: LCS 240-635213/2-A
Matrix: Water
Analysis Batch: 635182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor-1016	2.50	2.05		ug/L		82	28 - 140
Aroclor-1260	2.50	1.93		ug/L		77	39 - 153

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

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

Lab Sample ID: LCS 240-635213/2-A
Matrix: Water
Analysis Batch: 635182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635213

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	74		10 - 149
DCB Decachlorobiphenyl	57		10 - 174

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-635424/1-A
Matrix: Water
Analysis Batch: 636071

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635424

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/15/24 14:00	11/20/24 21:44	1
Barium	ND		200	1.3	ug/L		11/15/24 14:00	11/20/24 21:44	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/20/24 21:44	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/20/24 21:44	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/20/24 21:44	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/20/24 21:44	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/20/24 21:44	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/20/24 21:44	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/20/24 21:44	1

Lab Sample ID: LCS 240-635424/2-A
Matrix: Water
Analysis Batch: 636071

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635424

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	2000	2130		ug/L		107	80 - 120
Barium	2000	2080		ug/L		104	80 - 120
Cadmium	1000	1010		ug/L		101	80 - 120
Chromium	1000	1010		ug/L		101	80 - 120
Copper	1000	1020		ug/L		102	80 - 120
Lead	1000	988		ug/L		99	80 - 120
Selenium	2000	2130		ug/L		107	80 - 120
Silver	100	105		ug/L		105	80 - 120
Zinc	1000	1090		ug/L		109	80 - 120

Lab Sample ID: MB 240-640771/1-A
Matrix: Water
Analysis Batch: 640905

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 640771

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	ND		25	3.5	ug/L		01/07/25 14:00	01/08/25 11:20	1
Lead	ND		10	2.8	ug/L		01/07/25 14:00	01/08/25 11:20	1
Zinc	ND		50	23	ug/L		01/07/25 14:00	01/08/25 11:20	1

QC Sample Results

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

Job ID: 240-214891-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-640771/2-A
Matrix: Water
Analysis Batch: 640905

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 640771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	1000	980		ug/L		98	80 - 120
Lead	1000	967		ug/L		97	80 - 120
Zinc	1000	1010		ug/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-635427/1-A
Matrix: Water
Analysis Batch: 635809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635427

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/15/24 14:00	11/18/24 17:27	1

Lab Sample ID: LCS 240-635427/2-A
Matrix: Water
Analysis Batch: 635809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635427

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.63		ug/L		93	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-635032/3
Matrix: Water
Analysis Batch: 635032

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			11/13/24 07:55	1

Lab Sample ID: LCS 240-635032/4
Matrix: Water
Analysis Batch: 635032

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	0.230		mg/L		92	85 - 115

Lab Sample ID: 240-214891-2 MS
Matrix: Water
Analysis Batch: 635032

Client Sample ID: DUP-1-20241112
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		0.250	0.232		mg/L		93	85 - 115

Lab Sample ID: 240-214891-2 MSD
Matrix: Water
Analysis Batch: 635032

Client Sample ID: DUP-1-20241112
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium, hexavalent	ND		0.250	0.226		mg/L		90	85 - 115	3	20

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214891-1

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-635767/1-A
Matrix: Water
Analysis Batch: 635779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 15:25	1

Lab Sample ID: LCS 240-635767/2-A
Matrix: Water
Analysis Batch: 635779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.318		mg/L		97	85 - 115

Lab Sample ID: MRL 240-635779/10
Matrix: Water
Analysis Batch: 635779

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0107		mg/L		107	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-579445/17
Matrix: Water
Analysis Batch: 579445

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			11/25/24 13:05	1

Lab Sample ID: LCS 410-579445/16
Matrix: Water
Analysis Batch: 579445

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0499		mg/L		100	82 - 132

QC Association Summary

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

Job ID: 240-214891-1

GC/MS VOA

Analysis Batch: 636101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	8260D	
240-214891-2	DUP-1-20241112	Total/NA	Water	8260D	
MB 240-636101/12	Method Blank	Total/NA	Water	8260D	
LCS 240-636101/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 636129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-3	TB-2-20241112	Total/NA	Water	8260D	
MB 240-636129/8	Method Blank	Total/NA	Water	8260D	
LCS 240-636129/3	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 635223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	3510C LVI	
240-214891-2	DUP-1-20241112	Total/NA	Water	3510C LVI	
MB 240-635223/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-635223/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	8270E	635223
240-214891-2	DUP-1-20241112	Total/NA	Water	8270E	635223
MB 240-635223/1-A	Method Blank	Total/NA	Water	8270E	635223
LCS 240-635223/2-A	Lab Control Sample	Total/NA	Water	8270E	635223

Prep Batch: 636626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1 - RE	MW-13-20241112	Total/NA	Water	3510C LVI	
240-214891-2 - RE	DUP-1-20241112	Total/NA	Water	3510C LVI	
MB 240-636626/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1 - RE	MW-13-20241112	Total/NA	Water	8270E	636626
240-214891-2 - RE	DUP-1-20241112	Total/NA	Water	8270E	636626
MB 240-636626/1-A	Method Blank	Total/NA	Water	8270E	636626
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	8270E	636626

GC Semi VOA

Analysis Batch: 635182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	8082A	635213
240-214891-2	DUP-1-20241112	Total/NA	Water	8082A	635213
MB 240-635213/1-A	Method Blank	Total/NA	Water	8082A	635213
LCS 240-635213/2-A	Lab Control Sample	Total/NA	Water	8082A	635213

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-214891-1

GC Semi VOA

Prep Batch: 635213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	3510C	
240-214891-2	DUP-1-20241112	Total/NA	Water	3510C	
MB 240-635213/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-635213/2-A	Lab Control Sample	Total/NA	Water	3510C	

Metals

Prep Batch: 635424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	3005A	
240-214891-1	MW-13-20241112	Total Recoverable	Water	3005A	
240-214891-2	DUP-1-20241112	Dissolved	Water	3005A	
240-214891-2	DUP-1-20241112	Total Recoverable	Water	3005A	
MB 240-635424/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-635424/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 635427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	7470A	
240-214891-1	MW-13-20241112	Total/NA	Water	7470A	
240-214891-2	DUP-1-20241112	Dissolved	Water	7470A	
240-214891-2	DUP-1-20241112	Total/NA	Water	7470A	
MB 240-635427/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-635427/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 635809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	7470A	635427
240-214891-1	MW-13-20241112	Total/NA	Water	7470A	635427
240-214891-2	DUP-1-20241112	Dissolved	Water	7470A	635427
240-214891-2	DUP-1-20241112	Total/NA	Water	7470A	635427
MB 240-635427/1-A	Method Blank	Total/NA	Water	7470A	635427
LCS 240-635427/2-A	Lab Control Sample	Total/NA	Water	7470A	635427

Analysis Batch: 636071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	6010D	635424
240-214891-1	MW-13-20241112	Total Recoverable	Water	6010D	635424
240-214891-2	DUP-1-20241112	Dissolved	Water	6010D	635424
240-214891-2	DUP-1-20241112	Total Recoverable	Water	6010D	635424
MB 240-635424/1-A	Method Blank	Total Recoverable	Water	6010D	635424
LCS 240-635424/2-A	Lab Control Sample	Total Recoverable	Water	6010D	635424

Prep Batch: 640771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	3005A	
MB 240-640771/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-640771/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-214891-1

Metals

Analysis Batch: 640905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	6010D	640771
MB 240-640771/1-A	Method Blank	Total Recoverable	Water	6010D	640771
LCS 240-640771/2-A	Lab Control Sample	Total Recoverable	Water	6010D	640771

General Chemistry

Analysis Batch: 579445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	OIA-1677	
240-214891-2	DUP-1-20241112	Total/NA	Water	OIA-1677	
MB 410-579445/17	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-579445/16	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 635032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Dissolved	Water	7196A	
240-214891-2	DUP-1-20241112	Dissolved	Water	7196A	
MB 240-635032/3	Method Blank	Total/NA	Water	7196A	
LCS 240-635032/4	Lab Control Sample	Total/NA	Water	7196A	
240-214891-2 MS	DUP-1-20241112	Dissolved	Water	7196A	
240-214891-2 MSD	DUP-1-20241112	Dissolved	Water	7196A	

Prep Batch: 635767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	9012B	
240-214891-2	DUP-1-20241112	Total/NA	Water	9012B	
MB 240-635767/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-635767/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 635779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214891-1	MW-13-20241112	Total/NA	Water	9012B	635767
240-214891-2	DUP-1-20241112	Total/NA	Water	9012B	635767
MB 240-635767/1-A	Method Blank	Total/NA	Water	9012B	635767
LCS 240-635767/2-A	Lab Control Sample	Total/NA	Water	9012B	635767
MRL 240-635779/10	Lab Control Sample	Total/NA	Water	9012B	

Lab Chronicle

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

Job ID: 240-214891-1

Client Sample ID: MW-13-20241112

Lab Sample ID: 240-214891-1

Date Collected: 11/12/24 14:58

Matrix: Water

Date Received: 11/13/24 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636101	CS	EET CLE	11/21/24 06:48
Total/NA	Prep	3510C LVI	RE		636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E	RE	1	636931	MRU	EET CLE	11/27/24 12:39
Total/NA	Prep	3510C LVI			635223	CR2J	EET CLE	11/14/24 08:57
Total/NA	Analysis	8270E		1	636141	MRU	EET CLE	11/21/24 17:26
Total/NA	Prep	3510C			635213	CR2J	EET CLE	11/14/24 08:36
Total/NA	Analysis	8082A		1	635182	LSH	EET CLE	11/14/24 21:14
Dissolved	Prep	3005A			635424	TQ6W	EET CLE	11/15/24 14:00
Dissolved	Analysis	6010D		1	636071	RKT	EET CLE	11/20/24 23:37
Dissolved	Prep	3005A			640771	XWS6	EET CLE	01/07/25 14:00
Dissolved	Analysis	6010D		1	640905	AJC	EET CLE	01/08/25 12:15
Total Recoverable	Prep	3005A			635424	TQ6W	EET CLE	11/15/24 14:00
Total Recoverable	Analysis	6010D		1	636071	RKT	EET CLE	11/20/24 23:33
Dissolved	Prep	7470A			635427	TQ6W	EET CLE	11/15/24 14:00
Dissolved	Analysis	7470A		1	635809	TQ6W	EET CLE	11/18/24 18:07
Total/NA	Prep	7470A			635427	TQ6W	EET CLE	11/15/24 14:00
Total/NA	Analysis	7470A		1	635809	TQ6W	EET CLE	11/18/24 18:05
Dissolved	Analysis	7196A		1	635032	AJ	EET CLE	11/13/24 12:55
Total/NA	Prep	9012B			635767	VH6H	EET CLE	11/18/24 14:32
Total/NA	Analysis	9012B		1	635779	BLW	EET CLE	11/18/24 16:57
Total/NA	Analysis	OIA-1677		1	579445	UJE2	ELLE	11/25/24 13:18

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636101	CS	EET CLE	11/21/24 07:12
Total/NA	Prep	3510C LVI	RE		636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E	RE	1	636931	MRU	EET CLE	11/27/24 13:02
Total/NA	Prep	3510C LVI			635223	CR2J	EET CLE	11/14/24 08:57
Total/NA	Analysis	8270E		1	636141	MRU	EET CLE	11/21/24 17:49
Total/NA	Prep	3510C			635213	CR2J	EET CLE	11/14/24 08:36
Total/NA	Analysis	8082A		1	635182	LSH	EET CLE	11/14/24 21:26
Dissolved	Prep	3005A			635424	TQ6W	EET CLE	11/15/24 14:00
Dissolved	Analysis	6010D		1	636071	RKT	EET CLE	11/20/24 23:46
Total Recoverable	Prep	3005A			635424	TQ6W	EET CLE	11/15/24 14:00
Total Recoverable	Analysis	6010D		1	636071	RKT	EET CLE	11/20/24 23:41
Dissolved	Prep	7470A			635427	TQ6W	EET CLE	11/15/24 14:00
Dissolved	Analysis	7470A		1	635809	TQ6W	EET CLE	11/18/24 18:10
Total/NA	Prep	7470A			635427	TQ6W	EET CLE	11/15/24 14:00
Total/NA	Analysis	7470A		1	635809	TQ6W	EET CLE	11/18/24 18:08
Dissolved	Analysis	7196A		1	635032	AJ	EET CLE	11/13/24 12:55

Lab Chronicle

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

Job ID: 240-214891-1

Client Sample ID: DUP-1-20241112

Lab Sample ID: 240-214891-2

Date Collected: 11/12/24 16:00

Matrix: Water

Date Received: 11/13/24 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	9012B			635767	VH6H	EET CLE	11/18/24 14:32
Total/NA	Analysis	9012B		1	635779	BLW	EET CLE	11/18/24 16:59
Total/NA	Analysis	OIA-1677		1	579445	UJE2	ELLE	11/25/24 13:20

Client Sample ID: TB-2-20241112

Lab Sample ID: 240-214891-3

Date Collected: 11/12/24 00:00

Matrix: Water

Date Received: 11/13/24 12:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636129	CS	EET CLE	11/21/24 11:54

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 240-214891-1

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
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 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

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	12-15-24
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25

Accreditation/Certification Summary

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

Job ID: 240-214891-1

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
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
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	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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



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

Chain of Custody Record

5.4/6.1



Client Information			Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:			
Kain Lager-Lowe			Sarah Kutzman		Kalis, Nicole A				240-124901-43556.12			
August Mack Environmental, Inc.			PWSID:		E-Mail:		State of Origin:		Page:			
7830 North Central Drive, Suite B					Nicole.Kalis@et.eurofinsus.com		Ohio		Page 1 of 1			
Due Date Requested:					Analysis Requested 8260D - Full List VOCs 8270E - SVOCs (Scan) 8082A - PCBs 6010D/7470A - Total RCRA & Cu & Zn OIA-1677 - Cyanide, Free 8012B - Total Cyanide 6010D/7470A - Dissolved RCRA & Cu & Zn (Field Filter) 7196A - Diss. Hexavalent Chromium - Field Filter						Job #:	
TAT Requested (days):											Preservation Codes:	
Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											N - None A - HCL B - NaOH D - HNO3	
PO #:											Other:	
Project Name:			Project #:									
SSOW#:			DO NOT DELETE - 24033889									
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)	Total Number of containers	Special Instructions/Note:		
MW-13-20241112			11/12/24	14:58	G	Water	N	X			10	
MW-13-20241112-DISS			11/12/24	14:58	G	Water	Y				2	
REDO DUP-1-20241112			11/12/24	—	G	Water	N	X			10	
DUP-1-20241112-DISS			11/12/24	—	G	Water	Y				2	
TB2-20241112			11/12/24	16:00	G	Water	N	X			3	
						Water						
						Water						
						Water						
						Water						
						Water						
						Water						
						Water						
						Water						
						Water						
						Water						
						Water						
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, <input checked="" type="checkbox"/> III, IV, Other (specify)			Special Instructions/QC Requirements: Add "-DISS" suffix to samples that are field filtered.									
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:					
Relinquished by: Sarah Kutzman			Date/Time: 11/13/24		Company: EUR		Received by: [Signature]		Date/Time: 11/13/24 1132		Company: EUR	
Relinquished by: [Signature]			Date/Time: 11/13/24 1236		Company: EUR		Received by: [Signature]		Date/Time: 11/13/24 1236		Company: EUR	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:						



Eurofins - Cleveland Sample Receipt Form/Narrative Login # _____
 Barberon Facility

Client Amur walk Environmental Mgmt Site Name _____ Cooler unpacked by: JC

Cooler Received on 11-13-24 Opened on 11-13-24

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courtesy _____ 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 # V3 (CF) 0.7 °C Observed Cooler Temp 5.14 °C Corrected Cooler Temp 6.1 °C

Tests that are not checked for pH by Receiving: VOAs Oil and Grease TOC
--

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes NO N/A
 -Were the seals on the outside of the cooler(s) signed & dated? Yes NO N/A
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes NO N/A
 -Were tamper/custody seals intact and uncompromised? Yes NO N/A
 - 3 Shippers' packing slip attached to the cooler(s)? Yes NO N/A
 4. Did custody papers accompany the sample(s)? Yes NO N/A
 - 5 Were the custody papers relinquished & signed in the appropriate place? Yes NO N/A
 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes NO N/A
 - 7 Did all bottles arrive in good condition (Unbroken)? Yes NO N/A
 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes NO N/A
 - 9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes NO N/A
 - 10 Were correct bottle(s) used for the test(s) indicated? Yes NO N/A
 - 11 Sufficient quantity received to perform indicated analyses? Yes NO N/A
 12. Are these work share samples and all listed on the COC? Yes NO N/A
 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 N/A pH Strip Lot# HCC448976
 - 14 Were VOAs on the COC? Yes NO N/A
 - 15 Were air bubbles >6 mm in any VOA vials? Larger than this. Yes NO N/A
 - 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # N/A Yes NO N/A
 - 17 Was a LL Hg or Me Hg trip blank present? Yes NO N/A
- Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

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

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 _____



Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservation Temp</u>	<u>Preservation Added</u>	<u>Preservation Lot Number</u>
MW-13-20241112	240-214891-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-13-20241112	240-214891-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-13-20241112	240-214891-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-13-20241112	240-214891-D-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-13-20241112	240-214891-E-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-13-20241112	240-214891-F-1	Plastic 500ml - unpreserved				
MW-13-20241112	240-214891-G-1	Plastic 500ml - with Nitric Acid	<2			
MW-13-20241112	240-214891-H-1	Plastic 500ml - w/ Nitric - Dis.	<2			
MW-13-20241112	240-214891-I-1	Amber Glass 250ml - unpreserved				
MW-13-20241112	240-214891-J-1	Amber Glass 250ml - unpreserved				
MW-13-20241112	240-214891-K-1	Amber Glass 1 liter - unpreserved				
MW-13-20241112	240-214891-L-1	Amber Glass 1 liter - unpreserved				
DUP-1-20241112	240-214891-A-2	Voa Vial 40ml - Hydrochloric Acid				
DUP-1-20241112	240-214891-B-2	Voa Vial 40ml - Hydrochloric Acid				
DUP-1-20241112	240-214891-C-2	Voa Vial 40ml - Hydrochloric Acid				
DUP-1-20241112	240-214891-D-2	Plastic 250ml - with Sodium Hydroxide	>12			
DUP-1-20241112	240-214891-E-2	Plastic 250ml - with Sodium Hydroxide	>12			
DUP-1-20241112	240-214891-F-2	Plastic 500ml - unpreserved				
DUP-1-20241112	240-214891-G-2	Plastic 500ml - with Nitric Acid	<2			
DUP-1-20241112	240-214891-H-2	Plastic 500ml - w/ Nitric - Dis.	<2			
DUP-1-20241112	240-214891-I-2	Amber Glass 250ml - unpreserved				
DUP-1-20241112	240-214891-J-2	Amber Glass 250ml - unpreserved				
DUP-1-20241112	240-214891-K-2	Amber Glass 1 liter - unpreserved				
DUP-1-20241112	240-214891-L-2	Amber Glass 1 liter - unpreserved				
TB-2-20241112	240-214891-A-3	Voa Vial 40ml - Hydrochloric Acid				
TB-2-20241112	240-214891-B-3	Voa Vial 40ml - Hydrochloric Acid				
TB-2-20241112	240-214891-C-3	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Kalis, Nicole A	Carrier Tracking No(s): N/A	COC No: 240-193914.1					
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Nicole.Kalis@et.eurofinsus.com	State of Origin: Ohio	Page: Page 1 of 1					
Company: Eurofins Lancaster Laboratories Environm			Accreditations Required (See note): N/A		Job #: 240-214891-1					
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17801 Phone: 717-656-2300(Tel) Email: N/A Project Name: MSC Canfield Site: N/A		Due Date Requested: 11/26/2024 TAT Requested (days): N/A PO #: N/A WO #: N/A Project #: 24033889 SSOW#: N/A	Analysis Requested			Preservation Codes: Other: N/A				
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soils/sol, ST=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677_Freeze/ Cyanide, Free	Total Number of containers	Special Instructions/Note:
				Preservation Code:		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
MW-13-20241112 (240-214891-1)		11/12/24	14:58 Eastern	G	Water		X			Use caution! Site contaminated with solvent waste
DUP-1-20241112 (240-214891-2)		11/12/24	16:00 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste
<p>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 listed 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.</p>										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:			
Relinquished by: MALISSA LOAR			Date/Time: 11-14-24		Company:		Received by:		Date/Time:	
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:			Date/Time:		Company:		Received by: Debra Q. Byer		Date/Time: 11-15-24 09:50	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 12 = 1-1 C = 0.9						

144



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-214891-1

Login Number: 214891

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 11/15/24 01:35 PM

Creator: Arroyo, Haley

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/10/2024 8:40:49 PM

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-214918-1

Eurofins Cleveland

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
12/10/2024 8:40:49 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	19
QC Sample Results	20
QC Association Summary	29
Lab Chronicle	32
Certification Summary	34
Chain of Custody	36
Receipt Checklists	40

Definitions/Glossary

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

Job ID: 240-214918-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-214918-1

Job ID: 240-214918-1

Eurofins Cleveland

Job Narrative 240-214918-1

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 11/13/2024 4:57 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 3.7°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636004 was outside the method criteria for the following analyte(s): Bromomethane, Cyclohexane, Dichlorodifluoromethane and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-635433.

Method 8270E: The LCS associated with prep batch 240-635433 and samples MW-9-20241113 (240-214918-1) and DUP-2-20241113 (240-214918-3) had one acid surrogate recovery above acceptance criteria. Because the associated samples were ND for all acid analytes no corrective action was required.

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

PCBs

Method 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-635680.

Method 8082A: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: MW-9-20241113 (240-214918-1), (LCS 240-635680/2-A) and (MB 240-635680/1-A).

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

Metals

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

General Chemistry

Method 7196A - Dissolved: The following samples were diluted due to the nature of the sample matrix: MW-9-20241113 (240-214918-1) and DUP-2-20241113 (240-214918-3). 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 Cleveland

Method Summary

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

Job ID: 240-214918-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-214918-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
240-214918-1	MW-9-20241113	Water	11/13/24 12:55	11/13/24 16:57
240-214918-3	DUP-2-20241113	Water	11/13/24 00:00	11/13/24 16:57
240-214918-5	TB-1-120241113	Water	11/13/24 15:00	11/13/24 16:57

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-214918-1

Client Sample ID: MW-9-20241113

Lab Sample ID: 240-214918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	18		15	4.1	ug/L	1		6010D	Total Recoverable
Barium	54	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	1.9	J	10	0.76	ug/L	1		6010D	Total Recoverable
Copper	4.8	J	25	3.5	ug/L	1		6010D	Total Recoverable
Lead	3.2	J	10	2.8	ug/L	1		6010D	Total Recoverable
Zinc	23	J	50	23	ug/L	1		6010D	Total Recoverable
Arsenic	12	J	15	4.1	ug/L	1		6010D	Dissolved
Barium	44	J	200	1.3	ug/L	1		6010D	Dissolved
Cyanide, Total	0.0076	J	0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: DUP-2-20241113

Lab Sample ID: 240-214918-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15		15	4.1	ug/L	1		6010D	Total Recoverable
Barium	49	J	200	1.3	ug/L	1		6010D	Total Recoverable
Arsenic	15		15	4.1	ug/L	1		6010D	Dissolved
Barium	45	J	200	1.3	ug/L	1		6010D	Dissolved
Cyanide, Total	0.0078	J	0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: TB-1-120241113

Lab Sample ID: 240-214918-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: MW-9-20241113

Lab Sample ID: 240-214918-1

Date Collected: 11/13/24 12:55

Matrix: Water

Date Received: 11/13/24 16:57

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 19:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/20/24 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/20/24 19:35	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 19:35	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/20/24 19:35	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/20/24 19:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/20/24 19:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/20/24 19:35	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/20/24 19:35	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/20/24 19:35	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/20/24 19:35	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/20/24 19:35	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/20/24 19:35	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/20/24 19:35	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/20/24 19:35	1
2-Hexanone	ND		10	1.1	ug/L			11/20/24 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/20/24 19:35	1
Acetone	ND		10	5.4	ug/L			11/20/24 19:35	1
Benzene	ND		1.0	0.42	ug/L			11/20/24 19:35	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/20/24 19:35	1
Bromoform	ND		1.0	0.76	ug/L			11/20/24 19:35	1
Bromomethane	ND		1.0	0.42	ug/L			11/20/24 19:35	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/20/24 19:35	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/20/24 19:35	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/20/24 19:35	1
Chloroethane	ND		1.0	0.83	ug/L			11/20/24 19:35	1
Chloroform	ND		1.0	0.47	ug/L			11/20/24 19:35	1
Chloromethane	ND		1.0	0.63	ug/L			11/20/24 19:35	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/20/24 19:35	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/20/24 19:35	1
Cyclohexane	ND		1.0	0.48	ug/L			11/20/24 19:35	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/20/24 19:35	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/20/24 19:35	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/20/24 19:35	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/20/24 19:35	1
Methyl acetate	ND		10	1.7	ug/L			11/20/24 19:35	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/20/24 19:35	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/20/24 19:35	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/20/24 19:35	1
Styrene	ND		1.0	0.45	ug/L			11/20/24 19:35	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/20/24 19:35	1
Toluene	ND		1.0	0.44	ug/L			11/20/24 19:35	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/20/24 19:35	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/20/24 19:35	1
Trichloroethene	ND		1.0	0.44	ug/L			11/20/24 19:35	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/20/24 19:35	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/20/24 19:35	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/20/24 19:35	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: MW-9-20241113

Lab Sample ID: 240-214918-1

Date Collected: 11/13/24 12:55

Matrix: Water

Date Received: 11/13/24 16:57

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		78 - 122		11/20/24 19:35	1
Dibromofluoromethane (Surr)	91		73 - 120		11/20/24 19:35	1
4-Bromofluorobenzene (Surr)	96		56 - 136		11/20/24 19:35	1
1,2-Dichloroethane-d4 (Surr)	98		62 - 137		11/20/24 19:35	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/15/24 09:42	11/22/24 09:53	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/15/24 09:42	11/22/24 09:53	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/15/24 09:42	11/22/24 09:53	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/15/24 09:42	11/22/24 09:53	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/15/24 09:42	11/22/24 09:53	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/15/24 09:42	11/22/24 09:53	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/15/24 09:42	11/22/24 09:53	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/15/24 09:42	11/22/24 09:53	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/15/24 09:42	11/22/24 09:53	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/15/24 09:42	11/22/24 09:53	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/15/24 09:42	11/22/24 09:53	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/15/24 09:42	11/22/24 09:53	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/15/24 09:42	11/22/24 09:53	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/15/24 09:42	11/22/24 09:53	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/15/24 09:42	11/22/24 09:53	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/15/24 09:42	11/22/24 09:53	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/15/24 09:42	11/22/24 09:53	1
4-Nitrophenol	ND		10	2.2	ug/L		11/15/24 09:42	11/22/24 09:53	1
Acenaphthene	ND		0.20	0.17	ug/L		11/15/24 09:42	11/22/24 09:53	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/15/24 09:42	11/22/24 09:53	1
Acetophenone	ND		1.0	0.37	ug/L		11/15/24 09:42	11/22/24 09:53	1
Anthracene	ND		0.20	0.14	ug/L		11/15/24 09:42	11/22/24 09:53	1
Atrazine	ND		2.0	0.95	ug/L		11/15/24 09:42	11/22/24 09:53	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/15/24 09:42	11/22/24 09:53	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/15/24 09:42	11/22/24 09:53	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/15/24 09:42	11/22/24 09:53	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/15/24 09:42	11/22/24 09:53	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/15/24 09:42	11/22/24 09:53	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/15/24 09:42	11/22/24 09:53	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/15/24 09:42	11/22/24 09:53	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/15/24 09:42	11/22/24 09:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/15/24 09:42	11/22/24 09:53	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/15/24 09:42	11/22/24 09:53	1
Caprolactam	ND		5.0	3.8	ug/L		11/15/24 09:42	11/22/24 09:53	1
Carbazole	ND		1.0	0.49	ug/L		11/15/24 09:42	11/22/24 09:53	1
Chrysene	ND		0.20	0.066	ug/L		11/15/24 09:42	11/22/24 09:53	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/15/24 09:42	11/22/24 09:53	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: MW-9-20241113

Lab Sample ID: 240-214918-1

Date Collected: 11/13/24 12:55

Matrix: Water

Date Received: 11/13/24 16:57

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/15/24 09:42	11/22/24 09:53	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/15/24 09:42	11/22/24 09:53	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/15/24 09:42	11/22/24 09:53	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/15/24 09:42	11/22/24 09:53	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/15/24 09:42	11/22/24 09:53	1
Fluoranthene	ND		0.20	0.16	ug/L		11/15/24 09:42	11/22/24 09:53	1
Fluorene	ND		0.20	0.079	ug/L		11/15/24 09:42	11/22/24 09:53	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/15/24 09:42	11/22/24 09:53	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/15/24 09:42	11/22/24 09:53	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/15/24 09:42	11/22/24 09:53	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/15/24 09:42	11/22/24 09:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/15/24 09:42	11/22/24 09:53	1
Isophorone	ND		1.0	0.32	ug/L		11/15/24 09:42	11/22/24 09:53	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/15/24 09:42	11/22/24 09:53	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/15/24 09:42	11/22/24 09:53	1
Naphthalene	ND		0.20	0.11	ug/L		11/15/24 09:42	11/22/24 09:53	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/15/24 09:42	11/22/24 09:53	1
Pentachlorophenol	ND		10	3.1	ug/L		11/15/24 09:42	11/22/24 09:53	1
Phenanthrene	ND		0.20	0.080	ug/L		11/15/24 09:42	11/22/24 09:53	1
Phenol	ND		1.0	0.40	ug/L		11/15/24 09:42	11/22/24 09:53	1
Pyrene	ND		0.20	0.083	ug/L		11/15/24 09:42	11/22/24 09:53	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/15/24 09:42	11/22/24 09:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	93		43 - 136	11/15/24 09:42	11/22/24 09:53	1
Phenol-d5 (Surr)	96		10 - 120	11/15/24 09:42	11/22/24 09:53	1
Nitrobenzene-d5 (Surr)	77		40 - 120	11/15/24 09:42	11/22/24 09:53	1
2-Fluorophenol (Surr)	95		10 - 127	11/15/24 09:42	11/22/24 09:53	1
2-Fluorobiphenyl (Surr)	81		41 - 120	11/15/24 09:42	11/22/24 09:53	1
2,4,6-Tribromophenol (Surr)	80		23 - 127	11/15/24 09:42	11/22/24 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/18/24 09:50	11/19/24 13:52	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/18/24 09:50	11/19/24 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	54		10 - 149	11/18/24 09:50	11/19/24 13:52	1
DCB Decachlorobiphenyl	38		10 - 174	11/18/24 09:50	11/19/24 13:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		15	4.1	ug/L		11/15/24 14:00	11/21/24 12:53	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: MW-9-20241113

Lab Sample ID: 240-214918-1

Date Collected: 11/13/24 12:55

Matrix: Water

Date Received: 11/13/24 16:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	54	J	200	1.3	ug/L		11/15/24 14:00	11/21/24 12:53	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/21/24 12:53	1
Chromium	1.9	J	10	0.76	ug/L		11/15/24 14:00	11/21/24 12:53	1
Copper	4.8	J	25	3.5	ug/L		11/15/24 14:00	11/21/24 12:53	1
Lead	3.2	J	10	2.8	ug/L		11/15/24 14:00	11/21/24 12:53	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/21/24 12:53	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/21/24 12:53	1
Zinc	23	J	50	23	ug/L		11/15/24 14:00	11/21/24 12:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12	J	15	4.1	ug/L		11/15/24 14:00	11/21/24 12:57	1
Barium	44	J	200	1.3	ug/L		11/15/24 14:00	11/21/24 12:57	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/21/24 12:57	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/21/24 12:57	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/21/24 12:57	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/21/24 12:57	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/21/24 12:57	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/21/24 12:57	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/21/24 12:57	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		11/15/24 14:00	11/19/24 10:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/15/24 14:00	11/19/24 10:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0076	J	0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 17:00	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			11/25/24 13:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.10	0.035	mg/L			11/13/24 17:28	5

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: DUP-2-20241113

Lab Sample ID: 240-214918-3

Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/13/24 16:57

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 19:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/20/24 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/20/24 19:58	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 19:58	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/20/24 19:58	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/20/24 19:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/20/24 19:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/20/24 19:58	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/20/24 19:58	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/20/24 19:58	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/20/24 19:58	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/20/24 19:58	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/20/24 19:58	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/20/24 19:58	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/20/24 19:58	1
2-Hexanone	ND		10	1.1	ug/L			11/20/24 19:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/20/24 19:58	1
Acetone	ND		10	5.4	ug/L			11/20/24 19:58	1
Benzene	ND		1.0	0.42	ug/L			11/20/24 19:58	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/20/24 19:58	1
Bromoform	ND		1.0	0.76	ug/L			11/20/24 19:58	1
Bromomethane	ND		1.0	0.42	ug/L			11/20/24 19:58	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/20/24 19:58	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/20/24 19:58	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/20/24 19:58	1
Chloroethane	ND		1.0	0.83	ug/L			11/20/24 19:58	1
Chloroform	ND		1.0	0.47	ug/L			11/20/24 19:58	1
Chloromethane	ND		1.0	0.63	ug/L			11/20/24 19:58	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/20/24 19:58	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/20/24 19:58	1
Cyclohexane	ND		1.0	0.48	ug/L			11/20/24 19:58	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/20/24 19:58	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/20/24 19:58	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/20/24 19:58	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/20/24 19:58	1
Methyl acetate	ND		10	1.7	ug/L			11/20/24 19:58	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/20/24 19:58	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/20/24 19:58	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/20/24 19:58	1
Styrene	ND		1.0	0.45	ug/L			11/20/24 19:58	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/20/24 19:58	1
Toluene	ND		1.0	0.44	ug/L			11/20/24 19:58	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/20/24 19:58	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/20/24 19:58	1
Trichloroethene	ND		1.0	0.44	ug/L			11/20/24 19:58	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/20/24 19:58	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/20/24 19:58	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/20/24 19:58	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: DUP-2-20241113

Lab Sample ID: 240-214918-3

Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/13/24 16:57

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		78 - 122		11/20/24 19:58	1
Dibromofluoromethane (Surr)	96		73 - 120		11/20/24 19:58	1
4-Bromofluorobenzene (Surr)	100		56 - 136		11/20/24 19:58	1
1,2-Dichloroethane-d4 (Surr)	104		62 - 137		11/20/24 19:58	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/15/24 09:42	11/22/24 10:16	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/15/24 09:42	11/22/24 10:16	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/15/24 09:42	11/22/24 10:16	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/15/24 09:42	11/22/24 10:16	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/15/24 09:42	11/22/24 10:16	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/15/24 09:42	11/22/24 10:16	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/15/24 09:42	11/22/24 10:16	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/15/24 09:42	11/22/24 10:16	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/15/24 09:42	11/22/24 10:16	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/15/24 09:42	11/22/24 10:16	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/15/24 09:42	11/22/24 10:16	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/15/24 09:42	11/22/24 10:16	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/15/24 09:42	11/22/24 10:16	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/15/24 09:42	11/22/24 10:16	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/15/24 09:42	11/22/24 10:16	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/15/24 09:42	11/22/24 10:16	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/15/24 09:42	11/22/24 10:16	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/15/24 09:42	11/22/24 10:16	1
Acenaphthene	ND		0.19	0.17	ug/L		11/15/24 09:42	11/22/24 10:16	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/15/24 09:42	11/22/24 10:16	1
Acetophenone	ND		0.96	0.35	ug/L		11/15/24 09:42	11/22/24 10:16	1
Anthracene	ND		0.19	0.13	ug/L		11/15/24 09:42	11/22/24 10:16	1
Atrazine	ND		1.9	0.92	ug/L		11/15/24 09:42	11/22/24 10:16	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/15/24 09:42	11/22/24 10:16	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/15/24 09:42	11/22/24 10:16	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/15/24 09:42	11/22/24 10:16	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/15/24 09:42	11/22/24 10:16	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/15/24 09:42	11/22/24 10:16	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/15/24 09:42	11/22/24 10:16	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/15/24 09:42	11/22/24 10:16	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/15/24 09:42	11/22/24 10:16	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/15/24 09:42	11/22/24 10:16	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/15/24 09:42	11/22/24 10:16	1
Caprolactam	ND		4.8	3.7	ug/L		11/15/24 09:42	11/22/24 10:16	1
Carbazole	ND		0.96	0.47	ug/L		11/15/24 09:42	11/22/24 10:16	1
Chrysene	ND		0.19	0.063	ug/L		11/15/24 09:42	11/22/24 10:16	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/15/24 09:42	11/22/24 10:16	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: DUP-2-20241113

Lab Sample ID: 240-214918-3

Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/13/24 16:57

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/15/24 09:42	11/22/24 10:16	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/15/24 09:42	11/22/24 10:16	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/15/24 09:42	11/22/24 10:16	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/15/24 09:42	11/22/24 10:16	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/15/24 09:42	11/22/24 10:16	1
Fluoranthene	ND		0.19	0.15	ug/L		11/15/24 09:42	11/22/24 10:16	1
Fluorene	ND		0.19	0.076	ug/L		11/15/24 09:42	11/22/24 10:16	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/15/24 09:42	11/22/24 10:16	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/15/24 09:42	11/22/24 10:16	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/15/24 09:42	11/22/24 10:16	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/15/24 09:42	11/22/24 10:16	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/15/24 09:42	11/22/24 10:16	1
Isophorone	ND		0.96	0.31	ug/L		11/15/24 09:42	11/22/24 10:16	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/15/24 09:42	11/22/24 10:16	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/15/24 09:42	11/22/24 10:16	1
Naphthalene	ND		0.19	0.10	ug/L		11/15/24 09:42	11/22/24 10:16	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/15/24 09:42	11/22/24 10:16	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/15/24 09:42	11/22/24 10:16	1
Phenanthrene	ND		0.19	0.077	ug/L		11/15/24 09:42	11/22/24 10:16	1
Phenol	ND		0.96	0.39	ug/L		11/15/24 09:42	11/22/24 10:16	1
Pyrene	ND		0.19	0.080	ug/L		11/15/24 09:42	11/22/24 10:16	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/15/24 09:42	11/22/24 10:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	97		43 - 136	11/15/24 09:42	11/22/24 10:16	1
Phenol-d5 (Surr)	75		10 - 120	11/15/24 09:42	11/22/24 10:16	1
Nitrobenzene-d5 (Surr)	77		40 - 120	11/15/24 09:42	11/22/24 10:16	1
2-Fluorophenol (Surr)	112		10 - 127	11/15/24 09:42	11/22/24 10:16	1
2-Fluorobiphenyl (Surr)	81		41 - 120	11/15/24 09:42	11/22/24 10:16	1
2,4,6-Tribromophenol (Surr)	71		23 - 127	11/15/24 09:42	11/22/24 10:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.097	0.054	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1221	ND		0.097	0.055	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1232	ND		0.097	0.072	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1242	ND		0.097	0.074	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1248	ND		0.097	0.049	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1254	ND		0.097	0.039	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1260	ND		0.097	0.045	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1262	ND		0.097	0.056	ug/L		11/18/24 09:50	11/19/24 14:06	1
Aroclor-1268	ND		0.097	0.060	ug/L		11/18/24 09:50	11/19/24 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		10 - 149	11/18/24 09:50	11/19/24 14:06	1
DCB Decachlorobiphenyl	48		10 - 174	11/18/24 09:50	11/19/24 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		15	4.1	ug/L		11/15/24 14:00	11/21/24 13:10	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: DUP-2-20241113

Lab Sample ID: 240-214918-3

Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/13/24 16:57

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	49	J	200	1.3	ug/L		11/15/24 14:00	11/21/24 13:10	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/21/24 13:10	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/21/24 13:10	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/21/24 13:10	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/21/24 13:10	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/21/24 13:10	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/21/24 13:10	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/21/24 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		15	4.1	ug/L		11/15/24 14:00	11/21/24 13:14	1
Barium	45	J	200	1.3	ug/L		11/15/24 14:00	11/21/24 13:14	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/21/24 13:14	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/21/24 13:14	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/21/24 13:14	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/21/24 13:14	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/21/24 13:14	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/21/24 13:14	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/21/24 13:14	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		11/15/24 14:00	11/19/24 10:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/15/24 14:00	11/19/24 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0078	J	0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 17:02	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			11/25/24 13:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.10	0.035	mg/L			11/13/24 17:27	5

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: TB-1-120241113

Lab Sample ID: 240-214918-5

Date Collected: 11/13/24 15:00

Matrix: Water

Date Received: 11/13/24 16:57

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 20:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/20/24 20:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/20/24 20:21	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 20:21	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/20/24 20:21	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/20/24 20:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/20/24 20:21	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/20/24 20:21	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/20/24 20:21	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/20/24 20:21	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/20/24 20:21	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/20/24 20:21	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/20/24 20:21	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/20/24 20:21	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/20/24 20:21	1
2-Hexanone	ND		10	1.1	ug/L			11/20/24 20:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/20/24 20:21	1
Acetone	ND		10	5.4	ug/L			11/20/24 20:21	1
Benzene	ND		1.0	0.42	ug/L			11/20/24 20:21	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/20/24 20:21	1
Bromoform	ND		1.0	0.76	ug/L			11/20/24 20:21	1
Bromomethane	ND		1.0	0.42	ug/L			11/20/24 20:21	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/20/24 20:21	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/20/24 20:21	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/20/24 20:21	1
Chloroethane	ND		1.0	0.83	ug/L			11/20/24 20:21	1
Chloroform	ND		1.0	0.47	ug/L			11/20/24 20:21	1
Chloromethane	ND		1.0	0.63	ug/L			11/20/24 20:21	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/20/24 20:21	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/20/24 20:21	1
Cyclohexane	ND		1.0	0.48	ug/L			11/20/24 20:21	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/20/24 20:21	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/20/24 20:21	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/20/24 20:21	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/20/24 20:21	1
Methyl acetate	ND		10	1.7	ug/L			11/20/24 20:21	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/20/24 20:21	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/20/24 20:21	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/20/24 20:21	1
Styrene	ND		1.0	0.45	ug/L			11/20/24 20:21	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/20/24 20:21	1
Toluene	ND		1.0	0.44	ug/L			11/20/24 20:21	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/20/24 20:21	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/20/24 20:21	1
Trichloroethene	ND		1.0	0.44	ug/L			11/20/24 20:21	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/20/24 20:21	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/20/24 20:21	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/20/24 20:21	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-214918-1

Client Sample ID: TB-1-120241113

Lab Sample ID: 240-214918-5

Date Collected: 11/13/24 15:00

Matrix: Water

Date Received: 11/13/24 16:57

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	100		78 - 122		11/20/24 20:21	1
Dibromofluoromethane (Surr)	94		73 - 120		11/20/24 20:21	1
4-Bromofluorobenzene (Surr)	98		56 - 136		11/20/24 20:21	1
1,2-Dichloroethane-d4 (Surr)	104		62 - 137		11/20/24 20:21	1

Surrogate Summary

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

Job ID: 240-214918-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-214918-1	MW-9-20241113	100	91	96	98
240-214918-3	DUP-2-20241113	103	96	100	104
240-214918-5	TB-1-120241113	100	94	98	104
LCS 240-636004/4	Lab Control Sample	105	97	106	99
MB 240-636004/7	Method Blank	104	93	101	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-214918-1	MW-9-20241113	93	96	77	95	81	80
240-214918-3	DUP-2-20241113	97	75	77	112	81	71
LCS 240-635433/2-A	Lab Control Sample	84	82	85	131 S1+	82	94
MB 240-635433/1-A	Method Blank	98	59	82	85	84	91

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (10-149)	DCBP2 (10-174)
240-214918-1	MW-9-20241113	54	38
240-214918-3	DUP-2-20241113	64	48
LCS 240-635680/2-A	Lab Control Sample	52	42
MB 240-635680/1-A	Method Blank	51	45

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-214918-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636004/7
Matrix: Water
Analysis Batch: 636004

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/20/24 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/20/24 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/20/24 11:57	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/20/24 11:57	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/20/24 11:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/20/24 11:57	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/20/24 11:57	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/20/24 11:57	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/20/24 11:57	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/20/24 11:57	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/20/24 11:57	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/20/24 11:57	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/20/24 11:57	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/20/24 11:57	1
2-Hexanone	ND		10	1.1	ug/L			11/20/24 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/20/24 11:57	1
Acetone	ND		10	5.4	ug/L			11/20/24 11:57	1
Benzene	ND		1.0	0.42	ug/L			11/20/24 11:57	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/20/24 11:57	1
Bromoform	ND		1.0	0.76	ug/L			11/20/24 11:57	1
Bromomethane	ND		1.0	0.42	ug/L			11/20/24 11:57	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/20/24 11:57	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/20/24 11:57	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/20/24 11:57	1
Chloroethane	ND		1.0	0.83	ug/L			11/20/24 11:57	1
Chloroform	ND		1.0	0.47	ug/L			11/20/24 11:57	1
Chloromethane	ND		1.0	0.63	ug/L			11/20/24 11:57	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/20/24 11:57	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/20/24 11:57	1
Cyclohexane	ND		1.0	0.48	ug/L			11/20/24 11:57	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/20/24 11:57	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/20/24 11:57	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/20/24 11:57	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/20/24 11:57	1
Methyl acetate	ND		10	1.7	ug/L			11/20/24 11:57	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/20/24 11:57	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/20/24 11:57	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/20/24 11:57	1
Styrene	ND		1.0	0.45	ug/L			11/20/24 11:57	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/20/24 11:57	1
Toluene	ND		1.0	0.44	ug/L			11/20/24 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/20/24 11:57	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/20/24 11:57	1
Trichloroethene	ND		1.0	0.44	ug/L			11/20/24 11:57	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/20/24 11:57	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/20/24 11:57	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/20/24 11:57	1

Eurofins Cleveland



QC Sample Results

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

Job ID: 240-214918-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636004/7
Matrix: Water
Analysis Batch: 636004

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		78 - 122		11/20/24 11:57	1
Dibromofluoromethane (Surr)	93		73 - 120		11/20/24 11:57	1
4-Bromofluorobenzene (Surr)	101		56 - 136		11/20/24 11:57	1
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		11/20/24 11:57	1

Lab Sample ID: LCS 240-636004/4
Matrix: Water
Analysis Batch: 636004

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.4		ug/L		98	64 - 131
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.0		ug/L		100	51 - 146
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	70 - 138
1,1-Dichloroethane	25.0	27.5		ug/L		110	72 - 127
1,1-Dichloroethene	25.0	23.8		ug/L		95	63 - 134
1,2,4-Trichlorobenzene	25.0	25.0		ug/L		100	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	22.5		ug/L		90	53 - 135
Ethylene Dibromide	25.0	25.3		ug/L		101	71 - 134
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	78 - 120
1,2-Dichloroethane	25.0	25.6		ug/L		102	66 - 128
1,2-Dichloropropane	25.0	30.6		ug/L		122	75 - 133
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	50.0	54.2		ug/L		108	54 - 156
2-Hexanone	50.0	57.4		ug/L		115	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	55.0		ug/L		110	46 - 158
Acetone	50.0	52.2		ug/L		104	50 - 149
Benzene	25.0	25.3		ug/L		101	77 - 123
Dichlorobromomethane	25.0	22.8		ug/L		91	69 - 126
Bromoform	25.0	24.0		ug/L		96	57 - 129
Bromomethane	12.5	9.98		ug/L		80	36 - 142
Carbon disulfide	25.0	27.4		ug/L		110	43 - 140
Carbon tetrachloride	25.0	26.9		ug/L		108	55 - 137
Chlorobenzene	25.0	24.9		ug/L		100	80 - 121
Chloroethane	12.5	10.9		ug/L		87	38 - 152
Chloroform	25.0	23.0		ug/L		92	74 - 122
Chloromethane	12.5	12.0		ug/L		96	47 - 143
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	77 - 123
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	64 - 130
Cyclohexane	25.0	32.8		ug/L		131	58 - 146
Chlorodibromomethane	25.0	24.9		ug/L		100	70 - 124
Dichlorodifluoromethane	12.5	7.96		ug/L		64	34 - 153
Ethylbenzene	25.0	28.4		ug/L		113	80 - 121
Isopropylbenzene	25.0	31.4		ug/L		126	74 - 128
Methyl acetate	50.0	49.3		ug/L		99	42 - 169
Methyl tert-butyl ether	25.0	26.0		ug/L		104	65 - 126
Methylcyclohexane	25.0	28.1		ug/L		112	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636004/4
Matrix: Water
Analysis Batch: 636004

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	26.1		ug/L		105	71 - 125
Styrene	25.0	27.8		ug/L		111	80 - 135
Tetrachloroethene	25.0	26.3		ug/L		105	76 - 123
Toluene	25.0	24.9		ug/L		99	80 - 123
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	75 - 124
trans-1,3-Dichloropropene	25.0	28.1		ug/L		113	57 - 129
Trichloroethene	25.0	22.6		ug/L		90	70 - 122
Trichlorofluoromethane	12.5	9.07		ug/L		73	30 - 170
Vinyl chloride	12.5	11.2		ug/L		89	60 - 144
Xylenes, Total	50.0	57.6		ug/L		115	80 - 121
m-Xylene & p-Xylene	25.0	28.6		ug/L		114	80 - 120
o-Xylene	25.0	29.0		ug/L		116	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120
4-Bromofluorobenzene (Surr)	106		56 - 136
1,2-Dichloroethane-d4 (Surr)	99		62 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-635433/1-A
Matrix: Water
Analysis Batch: 636309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/15/24 09:42	11/22/24 09:07	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/15/24 09:42	11/22/24 09:07	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/15/24 09:42	11/22/24 09:07	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/15/24 09:42	11/22/24 09:07	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/15/24 09:42	11/22/24 09:07	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/15/24 09:42	11/22/24 09:07	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/15/24 09:42	11/22/24 09:07	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/15/24 09:42	11/22/24 09:07	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/15/24 09:42	11/22/24 09:07	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/15/24 09:42	11/22/24 09:07	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/15/24 09:42	11/22/24 09:07	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/15/24 09:42	11/22/24 09:07	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/15/24 09:42	11/22/24 09:07	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/15/24 09:42	11/22/24 09:07	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/15/24 09:42	11/22/24 09:07	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/15/24 09:42	11/22/24 09:07	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/15/24 09:42	11/22/24 09:07	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-635433/1-A
Matrix: Water
Analysis Batch: 636309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635433

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Nitrophenol	ND		10	2.2	ug/L		11/15/24 09:42	11/22/24 09:07	1
Acenaphthene	ND		0.20	0.17	ug/L		11/15/24 09:42	11/22/24 09:07	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/15/24 09:42	11/22/24 09:07	1
Acetophenone	ND		1.0	0.37	ug/L		11/15/24 09:42	11/22/24 09:07	1
Anthracene	ND		0.20	0.14	ug/L		11/15/24 09:42	11/22/24 09:07	1
Atrazine	ND		2.0	0.95	ug/L		11/15/24 09:42	11/22/24 09:07	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/15/24 09:42	11/22/24 09:07	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/15/24 09:42	11/22/24 09:07	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/15/24 09:42	11/22/24 09:07	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/15/24 09:42	11/22/24 09:07	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/15/24 09:42	11/22/24 09:07	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/15/24 09:42	11/22/24 09:07	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/15/24 09:42	11/22/24 09:07	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/15/24 09:42	11/22/24 09:07	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/15/24 09:42	11/22/24 09:07	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/15/24 09:42	11/22/24 09:07	1
Caprolactam	ND		5.0	3.8	ug/L		11/15/24 09:42	11/22/24 09:07	1
Carbazole	ND		1.0	0.49	ug/L		11/15/24 09:42	11/22/24 09:07	1
Chrysene	ND		0.20	0.066	ug/L		11/15/24 09:42	11/22/24 09:07	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/15/24 09:42	11/22/24 09:07	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/15/24 09:42	11/22/24 09:07	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/15/24 09:42	11/22/24 09:07	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/15/24 09:42	11/22/24 09:07	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/15/24 09:42	11/22/24 09:07	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/15/24 09:42	11/22/24 09:07	1
Fluoranthene	ND		0.20	0.16	ug/L		11/15/24 09:42	11/22/24 09:07	1
Fluorene	ND		0.20	0.079	ug/L		11/15/24 09:42	11/22/24 09:07	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/15/24 09:42	11/22/24 09:07	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/15/24 09:42	11/22/24 09:07	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/15/24 09:42	11/22/24 09:07	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/15/24 09:42	11/22/24 09:07	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/15/24 09:42	11/22/24 09:07	1
Isophorone	ND		1.0	0.32	ug/L		11/15/24 09:42	11/22/24 09:07	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/15/24 09:42	11/22/24 09:07	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/15/24 09:42	11/22/24 09:07	1
Naphthalene	ND		0.20	0.11	ug/L		11/15/24 09:42	11/22/24 09:07	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/15/24 09:42	11/22/24 09:07	1
Pentachlorophenol	ND		10	3.1	ug/L		11/15/24 09:42	11/22/24 09:07	1
Phenanthrene	ND		0.20	0.080	ug/L		11/15/24 09:42	11/22/24 09:07	1
Phenol	ND		1.0	0.40	ug/L		11/15/24 09:42	11/22/24 09:07	1
Pyrene	ND		0.20	0.083	ug/L		11/15/24 09:42	11/22/24 09:07	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/15/24 09:42	11/22/24 09:07	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	98		43 - 136	11/15/24 09:42	11/22/24 09:07	1
Phenol-d5 (Surr)	59		10 - 120	11/15/24 09:42	11/22/24 09:07	1
Nitrobenzene-d5 (Surr)	82		40 - 120	11/15/24 09:42	11/22/24 09:07	1
2-Fluorophenol (Surr)	85		10 - 127	11/15/24 09:42	11/22/24 09:07	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-635433/1-A
Matrix: Water
Analysis Batch: 636309

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635433

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	84		41 - 120	11/15/24 09:42	11/22/24 09:07	1
2,4,6-Tribromophenol (Surr)	91		23 - 127	11/15/24 09:42	11/22/24 09:07	1

Lab Sample ID: LCS 240-635433/2-A
Matrix: Water
Analysis Batch: 636309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	23.0		ug/L		72	34 - 126
2,4,5-Trichlorophenol	32.0	25.5		ug/L		80	51 - 129
2,4,6-Trichlorophenol	32.0	24.6		ug/L		77	51 - 128
2,4-Dichlorophenol	32.0	24.6		ug/L		77	57 - 122
2,4-Dimethylphenol	32.0	30.0		ug/L		94	33 - 120
2,4-Dinitrophenol	64.0	40.2		ug/L		63	27 - 126
2,4-Dinitrotoluene	32.0	25.5		ug/L		80	55 - 131
2,6-Dinitrotoluene	32.0	25.2		ug/L		79	54 - 134
2-Chloronaphthalene	32.0	23.2		ug/L		72	50 - 120
2-Chlorophenol	32.0	28.1		ug/L		88	57 - 120
2-Methylnaphthalene	32.0	20.2		ug/L		63	47 - 120
2-Methylphenol	32.0	26.5		ug/L		83	47 - 120
2-Nitroaniline	32.0	25.3		ug/L		79	51 - 138
2-Nitrophenol	32.0	23.4		ug/L		73	53 - 127
3,3'-Dichlorobenzidine	64.0	51.0		ug/L		80	39 - 150
3-Nitroaniline	32.0	24.2		ug/L		76	13 - 156
4,6-Dinitro-2-methylphenol	64.0	50.9		ug/L		80	45 - 130
4-Bromophenyl phenyl ether	32.0	26.4		ug/L		82	51 - 129
4-Chloro-3-methylphenol	32.0	24.4		ug/L		76	57 - 126
4-Chloroaniline	32.0	4.97		ug/L		16	10 - 120
4-Chlorophenyl phenyl ether	32.0	24.2		ug/L		76	52 - 122
4-Nitroaniline	32.0	29.9		ug/L		94	44 - 156
4-Nitrophenol	64.0	37.3		ug/L		58	14 - 120
Acenaphthene	32.0	23.2		ug/L		73	50 - 120
Acenaphthylene	32.0	25.8		ug/L		81	49 - 120
Acetophenone	32.0	23.7		ug/L		74	52 - 120
Anthracene	32.0	27.0		ug/L		84	55 - 124
Atrazine	32.0	35.1		ug/L		110	50 - 152
Benzaldehyde	32.0	36.1		ug/L		113	36 - 168
Benzo[a]anthracene	32.0	25.5		ug/L		80	55 - 130
Benzo[a]pyrene	32.0	26.4		ug/L		83	51 - 123
Benzo[b]fluoranthene	32.0	27.3		ug/L		85	51 - 130
Benzo[g,h,i]perylene	32.0	27.9		ug/L		87	55 - 135
Benzo[k]fluoranthene	32.0	25.9		ug/L		81	53 - 130
Bis(2-chloroethoxy)methane	32.0	24.4		ug/L		76	50 - 121
Bis(2-chloroethyl)ether	32.0	22.3		ug/L		70	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	25.0		ug/L		78	45 - 142
Butyl benzyl phthalate	32.0	23.8		ug/L		74	48 - 140
Caprolactam	32.0	7.64		ug/L		24	10 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-635433/2-A
Matrix: Water
Analysis Batch: 636309

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	32.0	27.2		ug/L		85	56 - 135
Chrysene	32.0	23.8		ug/L		74	52 - 126
Dibenz(a,h)anthracene	32.0	26.3		ug/L		82	57 - 132
Dibenzofuran	32.0	23.2		ug/L		72	52 - 120
Diethyl phthalate	32.0	25.7		ug/L		80	51 - 127
Dimethyl phthalate	32.0	25.3		ug/L		79	40 - 136
Di-n-butyl phthalate	32.0	27.4		ug/L		86	56 - 138
Di-n-octyl phthalate	32.0	25.7		ug/L		80	45 - 135
Fluoranthene	32.0	27.5		ug/L		86	56 - 135
Fluorene	32.0	23.9		ug/L		75	52 - 124
Hexachlorobenzene	32.0	25.7		ug/L		80	49 - 127
Hexachlorobutadiene	32.0	19.3		ug/L		60	36 - 120
Hexachlorocyclopentadiene	32.0	26.6		ug/L		83	10 - 120
Hexachloroethane	32.0	19.4		ug/L		61	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	26.4		ug/L		83	55 - 134
Isophorone	32.0	25.5		ug/L		80	50 - 127
N-Nitrosodi-n-propylamine	32.0	24.9		ug/L		78	49 - 128
N-Nitrosodiphenylamine	32.0	25.8		ug/L		81	53 - 127
Naphthalene	32.0	21.0		ug/L		66	46 - 120
Nitrobenzene	32.0	23.9		ug/L		75	50 - 123
Pentachlorophenol	64.0	46.0		ug/L		72	24 - 124
Phenanthrene	32.0	24.7		ug/L		77	54 - 120
Phenol	32.0	23.3		ug/L		73	10 - 120
Pyrene	32.0	24.5		ug/L		77	53 - 135
3 & 4 Methylphenol	32.0	24.3		ug/L		76	41 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	84		43 - 136
Phenol-d5 (Surr)	82		10 - 120
Nitrobenzene-d5 (Surr)	85		40 - 120
2-Fluorophenol (Surr)	131	S1+	10 - 127
2-Fluorobiphenyl (Surr)	82		41 - 120
2,4,6-Tribromophenol (Surr)	94		23 - 127

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

Lab Sample ID: MB 240-635680/1-A
Matrix: Water
Analysis Batch: 635788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.10	0.056	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/18/24 09:50	11/19/24 15:43	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/18/24 09:50	11/19/24 15:43	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

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

Lab Sample ID: MB 240-635680/1-A
Matrix: Water
Analysis Batch: 635788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1268	ND		0.10	0.062	ug/L		11/18/24 09:50	11/19/24 15:43	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	51		10 - 149				11/18/24 09:50	11/19/24 15:43	1
DCB Decachlorobiphenyl	45		10 - 174				11/18/24 09:50	11/19/24 15:43	1

Lab Sample ID: LCS 240-635680/2-A
Matrix: Water
Analysis Batch: 635788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor-1016	2.50	1.54		ug/L		62	28 - 140
Aroclor-1260	2.50	1.73		ug/L		69	39 - 153
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-m-xylene	52		10 - 149				
DCB Decachlorobiphenyl	42		10 - 174				

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-635439/1-A
Matrix: Water
Analysis Batch: 636324

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 635439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/15/24 14:00	11/21/24 10:37	1
Barium	ND		200	1.3	ug/L		11/15/24 14:00	11/21/24 10:37	1
Cadmium	ND		5.0	0.45	ug/L		11/15/24 14:00	11/21/24 10:37	1
Chromium	ND		10	0.76	ug/L		11/15/24 14:00	11/21/24 10:37	1
Copper	ND		25	3.5	ug/L		11/15/24 14:00	11/21/24 10:37	1
Lead	ND		10	2.8	ug/L		11/15/24 14:00	11/21/24 10:37	1
Selenium	ND		20	6.0	ug/L		11/15/24 14:00	11/21/24 10:37	1
Silver	ND		10	1.4	ug/L		11/15/24 14:00	11/21/24 10:37	1
Zinc	ND		50	23	ug/L		11/15/24 14:00	11/21/24 10:37	1

Lab Sample ID: LCS 240-635439/5-A
Matrix: Water
Analysis Batch: 636324

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 635439

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2000	2060		ug/L		103	80 - 120
Barium	2000	1880		ug/L		94	80 - 120
Cadmium	1000	968		ug/L		97	80 - 120
Chromium	1000	953		ug/L		95	80 - 120
Copper	1000	944		ug/L		94	80 - 120
Lead	1000	937		ug/L		94	80 - 120
Selenium	2000	2070		ug/L		103	80 - 120
Silver	100	96.0		ug/L		96	80 - 120
Zinc	1000	1050		ug/L		105	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-635446/1-A
Matrix: Water
Analysis Batch: 635928

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635446

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/15/24 14:00	11/19/24 09:16	1

Lab Sample ID: LCS 240-635446/2-A
Matrix: Water
Analysis Batch: 635928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.66		ug/L		93	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-635032/3
Matrix: Water
Analysis Batch: 635032

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			11/13/24 07:55	1

Lab Sample ID: LCS 240-635032/4
Matrix: Water
Analysis Batch: 635032

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	0.230		mg/L		92	85 - 115

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-635767/1-A
Matrix: Water
Analysis Batch: 635779

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635767

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/18/24 14:32	11/18/24 15:25	1

Lab Sample ID: LCS 240-635767/2-A
Matrix: Water
Analysis Batch: 635779

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635767

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.318		mg/L		97	85 - 115

Lab Sample ID: MRL 240-635779/10
Matrix: Water
Analysis Batch: 635779

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0107		mg/L		107	70 - 130

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-214918-1

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-579445/17
Matrix: Water
Analysis Batch: 579445

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			11/25/24 13:05	1

Lab Sample ID: LCS 410-579445/16
Matrix: Water
Analysis Batch: 579445

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0499		mg/L		100	82 - 132

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

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

Job ID: 240-214918-1

GC/MS VOA

Analysis Batch: 636004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	8260D	
240-214918-3	DUP-2-20241113	Total/NA	Water	8260D	
240-214918-5	TB-1-120241113	Total/NA	Water	8260D	
MB 240-636004/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636004/4	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 635433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	3510C LVI	
240-214918-3	DUP-2-20241113	Total/NA	Water	3510C LVI	
MB 240-635433/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-635433/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	8270E	635433
240-214918-3	DUP-2-20241113	Total/NA	Water	8270E	635433
MB 240-635433/1-A	Method Blank	Total/NA	Water	8270E	635433
LCS 240-635433/2-A	Lab Control Sample	Total/NA	Water	8270E	635433

GC Semi VOA

Prep Batch: 635680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	3510C	
240-214918-3	DUP-2-20241113	Total/NA	Water	3510C	
MB 240-635680/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-635680/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 635788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	8082A	635680
240-214918-3	DUP-2-20241113	Total/NA	Water	8082A	635680
MB 240-635680/1-A	Method Blank	Total/NA	Water	8082A	635680
LCS 240-635680/2-A	Lab Control Sample	Total/NA	Water	8082A	635680

Metals

Prep Batch: 635439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Dissolved	Water	3005A	
240-214918-1	MW-9-20241113	Total Recoverable	Water	3005A	
240-214918-3	DUP-2-20241113	Dissolved	Water	3005A	
240-214918-3	DUP-2-20241113	Total Recoverable	Water	3005A	
MB 240-635439/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-635439/5-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 635446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Dissolved	Water	7470A	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-214918-1

Metals (Continued)

Prep Batch: 635446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	7470A	
240-214918-3	DUP-2-20241113	Dissolved	Water	7470A	
240-214918-3	DUP-2-20241113	Total/NA	Water	7470A	
MB 240-635446/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-635446/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 635928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Dissolved	Water	7470A	635446
240-214918-1	MW-9-20241113	Total/NA	Water	7470A	635446
240-214918-3	DUP-2-20241113	Dissolved	Water	7470A	635446
240-214918-3	DUP-2-20241113	Total/NA	Water	7470A	635446
MB 240-635446/1-A	Method Blank	Total/NA	Water	7470A	635446
LCS 240-635446/2-A	Lab Control Sample	Total/NA	Water	7470A	635446

Analysis Batch: 636324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Dissolved	Water	6010D	635439
240-214918-1	MW-9-20241113	Total Recoverable	Water	6010D	635439
240-214918-3	DUP-2-20241113	Dissolved	Water	6010D	635439
240-214918-3	DUP-2-20241113	Total Recoverable	Water	6010D	635439
MB 240-635439/1-A	Method Blank	Total Recoverable	Water	6010D	635439
LCS 240-635439/5-A	Lab Control Sample	Total Recoverable	Water	6010D	635439

General Chemistry

Analysis Batch: 579445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	OIA-1677	
240-214918-3	DUP-2-20241113	Total/NA	Water	OIA-1677	
MB 410-579445/17	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-579445/16	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 635032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Dissolved	Water	7196A	
240-214918-3	DUP-2-20241113	Dissolved	Water	7196A	
MB 240-635032/3	Method Blank	Total/NA	Water	7196A	
LCS 240-635032/4	Lab Control Sample	Total/NA	Water	7196A	

Prep Batch: 635767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	9012B	
240-214918-3	DUP-2-20241113	Total/NA	Water	9012B	
MB 240-635767/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-635767/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 635779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-214918-1	MW-9-20241113	Total/NA	Water	9012B	635767
240-214918-3	DUP-2-20241113	Total/NA	Water	9012B	635767

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-214918-1

General Chemistry (Continued)

Analysis Batch: 635779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-635767/1-A	Method Blank	Total/NA	Water	9012B	635767
LCS 240-635767/2-A	Lab Control Sample	Total/NA	Water	9012B	635767
MRL 240-635779/10	Lab Control Sample	Total/NA	Water	9012B	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Lab Chronicle

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

Job ID: 240-214918-1

Client Sample ID: MW-9-20241113

Lab Sample ID: 240-214918-1

Date Collected: 11/13/24 12:55

Matrix: Water

Date Received: 11/13/24 16:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636004	LEE	EET CLE	11/20/24 19:35
Total/NA	Prep	3510C LVI			635433	GBS	EET CLE	11/15/24 09:42
Total/NA	Analysis	8270E		1	636309	MRU	EET CLE	11/22/24 09:53
Total/NA	Prep	3510C			635680	CR2J	EET CLE	11/18/24 09:50
Total/NA	Analysis	8082A		1	635788	LSH	EET CLE	11/19/24 13:52
Dissolved	Prep	3005A			635439	MN7X	EET CLE	11/15/24 14:00
Dissolved	Analysis	6010D		1	636324	RKT	EET CLE	11/21/24 12:57
Total Recoverable	Prep	3005A			635439	MN7X	EET CLE	11/15/24 14:00
Total Recoverable	Analysis	6010D		1	636324	RKT	EET CLE	11/21/24 12:53
Dissolved	Prep	7470A			635446	MN7X	EET CLE	11/15/24 14:00
Dissolved	Analysis	7470A		1	635928	TQ6W	EET CLE	11/19/24 10:01
Total/NA	Prep	7470A			635446	MN7X	EET CLE	11/15/24 14:00
Total/NA	Analysis	7470A		1	635928	TQ6W	EET CLE	11/19/24 10:00
Dissolved	Analysis	7196A		5	635032	AJ	EET CLE	11/13/24 17:28
Total/NA	Prep	9012B			635767	VH6H	EET CLE	11/18/24 14:32
Total/NA	Analysis	9012B		1	635779	BLW	EET CLE	11/18/24 17:00
Total/NA	Analysis	OIA-1677		1	579445	UJE2	ELLE	11/25/24 13:35

Client Sample ID: DUP-2-20241113

Lab Sample ID: 240-214918-3

Date Collected: 11/13/24 00:00

Matrix: Water

Date Received: 11/13/24 16:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636004	LEE	EET CLE	11/20/24 19:58
Total/NA	Prep	3510C LVI			635433	GBS	EET CLE	11/15/24 09:42
Total/NA	Analysis	8270E		1	636309	MRU	EET CLE	11/22/24 10:16
Total/NA	Prep	3510C			635680	CR2J	EET CLE	11/18/24 09:50
Total/NA	Analysis	8082A		1	635788	LSH	EET CLE	11/19/24 14:06
Dissolved	Prep	3005A			635439	MN7X	EET CLE	11/15/24 14:00
Dissolved	Analysis	6010D		1	636324	RKT	EET CLE	11/21/24 13:14
Total Recoverable	Prep	3005A			635439	MN7X	EET CLE	11/15/24 14:00
Total Recoverable	Analysis	6010D		1	636324	RKT	EET CLE	11/21/24 13:10
Dissolved	Prep	7470A			635446	MN7X	EET CLE	11/15/24 14:00
Dissolved	Analysis	7470A		1	635928	TQ6W	EET CLE	11/19/24 10:05
Total/NA	Prep	7470A			635446	MN7X	EET CLE	11/15/24 14:00
Total/NA	Analysis	7470A		1	635928	TQ6W	EET CLE	11/19/24 10:03
Dissolved	Analysis	7196A		5	635032	AJ	EET CLE	11/13/24 17:27
Total/NA	Prep	9012B			635767	VH6H	EET CLE	11/18/24 14:32
Total/NA	Analysis	9012B		1	635779	BLW	EET CLE	11/18/24 17:02
Total/NA	Analysis	OIA-1677		1	579445	UJE2	ELLE	11/25/24 13:33

Lab Chronicle

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

Job ID: 240-214918-1

Client Sample ID: TB-1-120241113

Lab Sample ID: 240-214918-5

Date Collected: 11/13/24 15:00

Matrix: Water

Date Received: 11/13/24 16:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636004	LEE	EET CLE	11/20/24 20:21

Laboratory References:

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

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

Job ID: 240-214918-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	11-30-24
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25

Accreditation/Certification Summary

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

Job ID: 240-214918-1

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
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
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	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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



Eurofins Cleveland

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

Chain of Custody Record


3.5/3.7



Environment Testing

Client Information					Sampler: <u>Sarah Kuntzman</u>		Lab PM: Kalis, Nicole A		Carrier Tracking No(s):		COC No: 240-124901-43556.12																																																																																																																																				
Client Contact: Kain Lager-Lowe					Phone:		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1																																																																																																																																				
Company: August Mack Environmental, Inc.					PWSID:		Analysis Requested					Job #:																																																																																																																																			
Address: 7830 North Central Drive, Suite B					Due Date Requested:							Preservation Codes: N - None A - HCL B - NaOH D - HNO3																																																																																																																																			
City: Lewis Center					TAT Requested (days): <u>Standard</u>		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr><td>Field Filtered Sample (Yes or No)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td rowspan="5">Total Number of containers</td></tr> <tr><td>Perform MS/MSD (Yes or No)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8260D - Full List VOCs</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8270E - SVOCs (Scan)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8082A - PCBs</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6010D/7470A - Total RCRA 8, Cu & Zn</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>OIA-1677 - Cyanide, Free</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9012B - Total Cyanide</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>7196A - Diss. Hexavalent Chromium - Field Filter</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>		Field Filtered Sample (Yes or No)													Total Number of containers	Perform MS/MSD (Yes or No)													8260D - Full List VOCs													8270E - SVOCs (Scan)													8082A - PCBs													6010D/7470A - Total RCRA 8, Cu & Zn													OIA-1677 - Cyanide, Free													9012B - Total Cyanide													6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)													7196A - Diss. Hexavalent Chromium - Field Filter													Other:	
Field Filtered Sample (Yes or No)															Total Number of containers																																																																																																																																
Perform MS/MSD (Yes or No)																																																																																																																																															
8260D - Full List VOCs																																																																																																																																															
8270E - SVOCs (Scan)																																																																																																																																															
8082A - PCBs																																																																																																																																															
6010D/7470A - Total RCRA 8, Cu & Zn																																																																																																																																															
OIA-1677 - Cyanide, Free																																																																																																																																															
9012B - Total Cyanide																																																																																																																																															
6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)																																																																																																																																															
7196A - Diss. Hexavalent Chromium - Field Filter																																																																																																																																															
State, Zip: OH, 43035					PO #:		WO #:		Project Name: MSC Canfield - Groundwater		Project #: DO NOT DELETE - 24033889																																																																																																																																				
Phone: 740-548-1515(Tel)					SSOW#:		Project Name: MSC Canfield - Groundwater		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889																																																																																																																																				
Email: klagerlowe@augustmack.com					Project Name: MSC Canfield - Groundwater		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889																																																																																																																																				
Project Name: MSC Canfield - Groundwater					Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889																																																																																																																																				
Site:					Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889																																																																																																																																				
Site:					Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889		Project #: DO NOT DELETE - 24033889																																																																																																																																				

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=TISSUE, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested												Total Number of containers	Special Instructions/Note:						
							A	N	N	D	B	B	D	N												
MW-9-20241113	11/13/24	1255	G	Water	N	X	A	N	N	D	B	B	D	N												
MW-9-20241113-DISS	11/13/24	1255	G	Water	Y																					
DUP-2-20241113	11/13/24	-	G	Water	N	X	A	N	N	D	B	B	D	N												
DUP-2-20241113-DISS	11/13/24	-	G	Water	Y																					
TB-1-20241113 TB-1-20241113	11/13/24	1500	G	Water	N	X	A	N	N	D	B	B	D	N												
Water																										
Water																										
Water																										
Water																										
Water																										
Water																										
Water																										



240-214918 COC

Eurofins Cleveland Sample Receipt Form/Narrative Login # _____
 Barbercon Facility

Client August Mack Site Name _____
 Cooler Received on 11/3/24 Opened on 11/14/24
 FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Couriers Cooler unpacked by: VM

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: WETES Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN # 21 (CF +0.2 °C) Observed Cooler Temp. 3.5 °C Corrected Cooler Temp 3.7 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No NA
 -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 NA
 -Were tamper/custody seals intact and uncompromised? Yes No NA
 3 Shippers' packing slip attached to the cooler(s)? Yes No NA
 4 Did custody papers accompany the sample(s)? Yes No NA
 5 Were the custody papers relinquished & signed in the appropriate place? Yes No NA
 6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes No NA
 7 Did all bottles arrive in good condition (Unbroken)? Yes No NA
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No NA
 9 For each sample, does the COC specify preservatives (Y/N), # of containers (N), and sample type of grab/comp (Y/N)? Yes No NA
 10 Were correct bottle(s) used for the test(s) indicated? Yes No NA
 11 Sufficient quantity received to perform indicated analyses? Yes No NA
 12. Are these work share samples and all listed on the COC? Yes No NA
 13. Are these work share samples and all listed on the COC? If yes, Questions 13-17 have been checked at the originating laboratory

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

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 NA
 15 Were air bubbles >6 mm in any VOA vials? Larger than this. Chemical lot # _____ Yes No NA
 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 65271 Yes No NA
 17 Was a LL Hg or Me Hg trip blank present? Yes No NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

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

1 Amber glass 1 liter has 2 labels, one that says MW-9-20241113 and one that says DUP-2-20241113, and 1 amber glass 1 liter has no labels
received a 2n Acetate + NaOH bottle instead of NaAsO₂/NaOH

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: _____

Temperature readings

Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp	Preservation Added	Preservation Lot Number
MW-9-20241113	240-214918-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-9-20241113	240-214918-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-9-20241113	240-214918-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-9-20241113	240-214918-D-1	Amber Glass 250ml - unpreserved				
MW-9-20241113	240-214918-E-1	Amber Glass 250ml - unpreserved				
MW-9-20241113	240-214918-F-1	Plastic 250ml - with Zinc Acetate & NaOH	>9			
MW-9-20241113	240-214918-G-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-9-20241113	240-214918-H-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-9-20241113	240-214918-I-1	Plastic 500ml - with Nitric Acid	<2			
MW-9-20241113	240-214918-J-1	Amber Glass 1 liter - unpreserved				
MW-9-20241113-DISS	240-214918-A-2	Plastic 500 mL - unpreserved - dis				
MW-9-20241113-DISS	240-214918-B-2	Plastic 500ml - w/ Nitric - Dis.	<2			
DUP-2-20241113	240-214918-A-3	Voa Vial 40ml - Hydrochloric Acid				
DUP-2-20241113	240-214918-B-3	Voa Vial 40ml - Hydrochloric Acid				
DUP-2-20241113	240-214918-C-3	Voa Vial 40ml - Hydrochloric Acid				
DUP-2-20241113	240-214918-D-3	Amber Glass 250ml - unpreserved				
DUP-2-20241113	240-214918-E-3	Amber Glass 250ml - unpreserved				
DUP-2-20241113	240-214918-F-3	Plastic 250ml - with Zinc Acetate & NaOH	>9			
DUP-2-20241113	240-214918-G-3	Plastic 250ml - with Sodium Hydroxide	>12			
DUP-2-20241113	240-214918-H-3	Plastic 250ml - with Sodium Hydroxide	>12			
DUP-2-20241113	240-214918-I-3	Plastic 500ml - with Nitric Acid	<2			
DUP-2-20241113	240-214918-J-3	Amber Glass 1 liter - unpreserved				
DUP-2-20241113-DISS	240-214918-A-4	Plastic 500 mL - unpreserved - dis				
DUP-2-20241113-DISS	240-214918-B-4	Plastic 500ml - w/ Nitric - Dis.	<2			
TB-1-120241113	240-214918-A-5	Voa Vial 40ml - Hydrochloric Acid				
TB-1-120241113	240-214918-B-5	Voa Vial 40ml - Hydrochloric Acid				
TB-1-120241113	240-214918-C-5	Voa Vial 40ml - Hydrochloric Acid				

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kalis, Nicole A		Carrier Tracking No(s): N/A		COC No: 240-193969 1					
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1					
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-214918-1					
Address: 2425 New Holland Pike,		Due Date Requested: 11/26/2024		Analysis Requested						Preservation Codes:			
City: Lancaster		TAT Requested (days): N/A											
State, Zip: PA, 17601		PO #: N/A											
Phone: 717-856-2300(Tel)		WO #: N/A											
Email: N/A		Project #: 24033889											
Project Name: MSC Canfield		SSOW#: N/A											
Site: N/A				Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)		1677_Feet Cyanide, Free					
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=soil/sediment, ST=Sludge, A=Air)		Total Number of Containers		Special Instructions/Note:	
						Preservation Code:							
MW-9-20241113 (240-214918-1)		11/13/24		12.55 Eastern		G		Water		1		Use caution! Site contaminated with solvent waste	
DUP-2-20241113 (240-214918-3)		11/13/24		Eastern		G		Water		1		Use caution! Site contaminated with solvent waste	
<p>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 listed 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.</p>													
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)						Primary Deliverable Rank: 2		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:					
Relinquished by: <i>JF</i>				Date/Time: 11/14/24		Company: <i>Euro</i>		Received by:		Date/Time:		Company:	
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:				Date/Time:		Company:		Received by: <i>Daniel A. By...</i>		Date/Time: 11-15-24 09:50		Company: <i>ELLET</i>	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) and Other Remarks: 12. 2.3 C: 2.1									



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-214918-1

Login Number: 214918

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 11/15/24 03:03 PM

Creator: Arroyo, Haley

Question	Answer	Comment
The cooler's custody seal is 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 acceptable, where thermal pres is required (<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/2/2024 5:23:51 PM

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-215300-1

Eurofins Cleveland

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
12/2/2024 5:23:51 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	23
QC Sample Results	24
QC Association Summary	34
Lab Chronicle	37
Certification Summary	39
Chain of Custody	41
Receipt Checklists	46

Definitions/Glossary

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

Job ID: 240-215300-1

Qualifiers

GC/MS Semi VOA

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.

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

Case Narrative

Client: Augst Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-215300-1

Job ID: 240-215300-1

Eurofins Cleveland

Job Narrative 240-215300-1

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 11/19/2024 5:05 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 2.1°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636489 was outside the method criteria for the following analyte(s): Dichlorobromomethane, Bromoform, Bromomethane, Carbon tetrachloride and Chlorodibromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636928 recovered above the upper control limit for 3-Nitroaniline and Bis(2-ethylhexyl) phthalate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples were impacted: MW-10-20241119 (240-215300-1), MW-11-20241119 (240-215300-2), MW-6-20241119 (240-215300-3) and (240-215329-E-5-A).

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

PCBs

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

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.

Eurofins Cleveland

Method Summary

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

Job ID: 240-215300-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-215300-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215300-1	MW-10-20241119	Water	11/19/24 10:03	11/19/24 17:05
240-215300-2	MW-11-20241119	Water	11/19/24 13:46	11/19/24 17:05
240-215300-3	MW-6-20241119	Water	11/19/24 13:05	11/19/24 17:05
240-215300-4	TB-1-20241119	Water	11/19/24 15:00	11/19/24 17:05

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-215300-1

Client Sample ID: MW-10-20241119

Lab Sample ID: 240-215300-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.12	J	0.19	0.077	ug/L	1		8270E	Total/NA
Arsenic	19		15	4.1	ug/L	1		6010D	Total Recoverable
Barium	38	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	1.9	J	10	0.76	ug/L	1		6010D	Total Recoverable
Arsenic	16		15	4.1	ug/L	1		6010D	Dissolved
Barium	35	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.5	J	10	0.76	ug/L	1		6010D	Dissolved

Client Sample ID: MW-11-20241119

Lab Sample ID: 240-215300-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	20		15	4.1	ug/L	1		6010D	Total Recoverable
Barium	32	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	2.5	J	10	0.76	ug/L	1		6010D	Total Recoverable
Arsenic	17		15	4.1	ug/L	1		6010D	Dissolved
Barium	25	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.6	J	10	0.76	ug/L	1		6010D	Dissolved
Cyanide, Total	0.0081	J	0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: MW-6-20241119

Lab Sample ID: 240-215300-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.17	J	0.19	0.077	ug/L	1		8270E	Total/NA
Arsenic	10	J	15	4.1	ug/L	1		6010D	Total Recoverable
Barium	54	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	2.3	J	10	0.76	ug/L	1		6010D	Total Recoverable
Arsenic	11	J	15	4.1	ug/L	1		6010D	Dissolved
Barium	49	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.7	J	10	0.76	ug/L	1		6010D	Dissolved

Client Sample ID: TB-1-20241119

Lab Sample ID: 240-215300-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-10-20241119

Lab Sample ID: 240-215300-1

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/24/24 05:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/24/24 05:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/24/24 05:41	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/24/24 05:41	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/24/24 05:41	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/24/24 05:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/24/24 05:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/24/24 05:41	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/24/24 05:41	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/24/24 05:41	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/24/24 05:41	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/24/24 05:41	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/24/24 05:41	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/24/24 05:41	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/24/24 05:41	1
2-Hexanone	ND		10	1.1	ug/L			11/24/24 05:41	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/24/24 05:41	1
Acetone	ND		10	5.4	ug/L			11/24/24 05:41	1
Benzene	ND		1.0	0.42	ug/L			11/24/24 05:41	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/24/24 05:41	1
Bromoform	ND		1.0	0.76	ug/L			11/24/24 05:41	1
Bromomethane	ND		1.0	0.42	ug/L			11/24/24 05:41	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/24/24 05:41	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/24/24 05:41	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/24/24 05:41	1
Chloroethane	ND		1.0	0.83	ug/L			11/24/24 05:41	1
Chloroform	ND		1.0	0.47	ug/L			11/24/24 05:41	1
Chloromethane	ND		1.0	0.63	ug/L			11/24/24 05:41	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/24/24 05:41	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/24/24 05:41	1
Cyclohexane	ND		1.0	0.48	ug/L			11/24/24 05:41	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/24/24 05:41	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/24/24 05:41	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/24/24 05:41	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/24/24 05:41	1
Methyl acetate	ND		10	1.7	ug/L			11/24/24 05:41	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/24/24 05:41	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/24/24 05:41	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/24/24 05:41	1
Styrene	ND		1.0	0.45	ug/L			11/24/24 05:41	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/24/24 05:41	1
Toluene	ND		1.0	0.44	ug/L			11/24/24 05:41	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/24/24 05:41	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/24/24 05:41	1
Trichloroethene	ND		1.0	0.44	ug/L			11/24/24 05:41	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/24/24 05:41	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/24/24 05:41	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/24/24 05:41	1

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-10-20241119

Lab Sample ID: 240-215300-1

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/19/24 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		78 - 122		11/24/24 05:41	1
Dibromofluoromethane (Surr)	99		73 - 120		11/24/24 05:41	1
4-Bromofluorobenzene (Surr)	100		56 - 136		11/24/24 05:41	1
1,2-Dichloroethane-d4 (Surr)	113		62 - 137		11/24/24 05:41	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/21/24 09:50	11/27/24 10:42	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/21/24 09:50	11/27/24 10:42	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/21/24 09:50	11/27/24 10:42	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/21/24 09:50	11/27/24 10:42	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/21/24 09:50	11/27/24 10:42	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/21/24 09:50	11/27/24 10:42	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/21/24 09:50	11/27/24 10:42	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/21/24 09:50	11/27/24 10:42	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/21/24 09:50	11/27/24 10:42	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/21/24 09:50	11/27/24 10:42	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/21/24 09:50	11/27/24 10:42	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/21/24 09:50	11/27/24 10:42	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/21/24 09:50	11/27/24 10:42	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/21/24 09:50	11/27/24 10:42	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/21/24 09:50	11/27/24 10:42	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/21/24 09:50	11/27/24 10:42	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/21/24 09:50	11/27/24 10:42	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/21/24 09:50	11/27/24 10:42	1
Acenaphthene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 10:42	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/21/24 09:50	11/27/24 10:42	1
Acetophenone	ND		0.96	0.35	ug/L		11/21/24 09:50	11/27/24 10:42	1
Anthracene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 10:42	1
Atrazine	ND		1.9	0.92	ug/L		11/21/24 09:50	11/27/24 10:42	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/21/24 09:50	11/27/24 10:42	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/21/24 09:50	11/27/24 10:42	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 10:42	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 10:42	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 10:42	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 10:42	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/21/24 09:50	11/27/24 10:42	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/21/24 09:50	11/27/24 10:42	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/21/24 09:50	11/27/24 10:42	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/21/24 09:50	11/27/24 10:42	1
Caprolactam	ND		4.8	3.7	ug/L		11/21/24 09:50	11/27/24 10:42	1
Carbazole	ND		0.96	0.47	ug/L		11/21/24 09:50	11/27/24 10:42	1
Chrysene	ND		0.19	0.063	ug/L		11/21/24 09:50	11/27/24 10:42	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 10:42	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-10-20241119

Lab Sample ID: 240-215300-1

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/21/24 09:50	11/27/24 10:42	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/21/24 09:50	11/27/24 10:42	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/21/24 09:50	11/27/24 10:42	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/21/24 09:50	11/27/24 10:42	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/21/24 09:50	11/27/24 10:42	1
Fluoranthene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 10:42	1
Fluorene	ND		0.19	0.076	ug/L		11/21/24 09:50	11/27/24 10:42	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 10:42	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/21/24 09:50	11/27/24 10:42	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/21/24 09:50	11/27/24 10:42	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/21/24 09:50	11/27/24 10:42	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 10:42	1
Isophorone	ND		0.96	0.31	ug/L		11/21/24 09:50	11/27/24 10:42	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/21/24 09:50	11/27/24 10:42	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/21/24 09:50	11/27/24 10:42	1
Naphthalene	ND		0.19	0.10	ug/L		11/21/24 09:50	11/27/24 10:42	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/21/24 09:50	11/27/24 10:42	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/21/24 09:50	11/27/24 10:42	1
Phenanthrene	0.12	J	0.19	0.077	ug/L		11/21/24 09:50	11/27/24 10:42	1
Phenol	ND		0.96	0.39	ug/L		11/21/24 09:50	11/27/24 10:42	1
Pyrene	ND		0.19	0.080	ug/L		11/21/24 09:50	11/27/24 10:42	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/21/24 09:50	11/27/24 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	87		43 - 136	11/21/24 09:50	11/27/24 10:42	1
Phenol-d5 (Surr)	79		10 - 120	11/21/24 09:50	11/27/24 10:42	1
Nitrobenzene-d5 (Surr)	71		40 - 120	11/21/24 09:50	11/27/24 10:42	1
2-Fluorophenol (Surr)	78		10 - 127	11/21/24 09:50	11/27/24 10:42	1
2-Fluorobiphenyl (Surr)	74		41 - 120	11/21/24 09:50	11/27/24 10:42	1
2,4,6-Tribromophenol (Surr)	70		23 - 127	11/21/24 09:50	11/27/24 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/21/24 10:06	11/25/24 14:24	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/21/24 10:06	11/25/24 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		10 - 149	11/21/24 10:06	11/25/24 14:24	1
DCB Decachlorobiphenyl	54		10 - 174	11/21/24 10:06	11/25/24 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19		15	4.1	ug/L		11/20/24 14:00	11/21/24 16:16	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-10-20241119

Lab Sample ID: 240-215300-1

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/19/24 17:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	38	J	200	1.3	ug/L		11/20/24 14:00	11/21/24 16:16	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 16:16	1
Chromium	1.9	J	10	0.76	ug/L		11/20/24 14:00	11/21/24 16:16	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 16:16	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 16:16	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 16:16	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 16:16	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 16:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		15	4.1	ug/L		11/20/24 14:00	11/21/24 16:47	1
Barium	35	J	200	1.3	ug/L		11/20/24 14:00	11/21/24 16:47	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 16:47	1
Chromium	1.5	J	10	0.76	ug/L		11/20/24 14:00	11/21/24 16:47	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 16:47	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 16:47	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 16:47	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 16:47	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 16:47	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		11/21/24 14:00	11/22/24 10:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/21/24 14:00	11/22/24 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:35	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/02/24 15:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/20/24 09:28	1

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-11-20241119

Lab Sample ID: 240-215300-2

Date Collected: 11/19/24 13:46

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/24/24 06:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/24/24 06:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/24/24 06:04	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/24/24 06:04	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/24/24 06:04	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/24/24 06:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/24/24 06:04	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/24/24 06:04	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/24/24 06:04	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/24/24 06:04	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/24/24 06:04	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/24/24 06:04	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/24/24 06:04	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/24/24 06:04	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/24/24 06:04	1
2-Hexanone	ND		10	1.1	ug/L			11/24/24 06:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/24/24 06:04	1
Acetone	ND		10	5.4	ug/L			11/24/24 06:04	1
Benzene	ND		1.0	0.42	ug/L			11/24/24 06:04	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/24/24 06:04	1
Bromoform	ND		1.0	0.76	ug/L			11/24/24 06:04	1
Bromomethane	ND		1.0	0.42	ug/L			11/24/24 06:04	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/24/24 06:04	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/24/24 06:04	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/24/24 06:04	1
Chloroethane	ND		1.0	0.83	ug/L			11/24/24 06:04	1
Chloroform	ND		1.0	0.47	ug/L			11/24/24 06:04	1
Chloromethane	ND		1.0	0.63	ug/L			11/24/24 06:04	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/24/24 06:04	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/24/24 06:04	1
Cyclohexane	ND		1.0	0.48	ug/L			11/24/24 06:04	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/24/24 06:04	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/24/24 06:04	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/24/24 06:04	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/24/24 06:04	1
Methyl acetate	ND		10	1.7	ug/L			11/24/24 06:04	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/24/24 06:04	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/24/24 06:04	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/24/24 06:04	1
Styrene	ND		1.0	0.45	ug/L			11/24/24 06:04	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/24/24 06:04	1
Toluene	ND		1.0	0.44	ug/L			11/24/24 06:04	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/24/24 06:04	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/24/24 06:04	1
Trichloroethene	ND		1.0	0.44	ug/L			11/24/24 06:04	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/24/24 06:04	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/24/24 06:04	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/24/24 06:04	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-11-20241119

Lab Sample ID: 240-215300-2

Date Collected: 11/19/24 13:46

Matrix: Water

Date Received: 11/19/24 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		78 - 122		11/24/24 06:04	1
Dibromofluoromethane (Surr)	100		73 - 120		11/24/24 06:04	1
4-Bromofluorobenzene (Surr)	99		56 - 136		11/24/24 06:04	1
1,2-Dichloroethane-d4 (Surr)	113		62 - 137		11/24/24 06:04	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/21/24 09:50	11/27/24 11:05	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/21/24 09:50	11/27/24 11:05	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/21/24 09:50	11/27/24 11:05	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/21/24 09:50	11/27/24 11:05	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/21/24 09:50	11/27/24 11:05	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/21/24 09:50	11/27/24 11:05	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/21/24 09:50	11/27/24 11:05	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/21/24 09:50	11/27/24 11:05	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/21/24 09:50	11/27/24 11:05	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/21/24 09:50	11/27/24 11:05	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/21/24 09:50	11/27/24 11:05	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/21/24 09:50	11/27/24 11:05	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/21/24 09:50	11/27/24 11:05	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/21/24 09:50	11/27/24 11:05	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/21/24 09:50	11/27/24 11:05	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/21/24 09:50	11/27/24 11:05	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/21/24 09:50	11/27/24 11:05	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/21/24 09:50	11/27/24 11:05	1
Acenaphthene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 11:05	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/21/24 09:50	11/27/24 11:05	1
Acetophenone	ND		0.96	0.35	ug/L		11/21/24 09:50	11/27/24 11:05	1
Anthracene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 11:05	1
Atrazine	ND		1.9	0.92	ug/L		11/21/24 09:50	11/27/24 11:05	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/21/24 09:50	11/27/24 11:05	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/21/24 09:50	11/27/24 11:05	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 11:05	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:05	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 11:05	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 11:05	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/21/24 09:50	11/27/24 11:05	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/21/24 09:50	11/27/24 11:05	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/21/24 09:50	11/27/24 11:05	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/21/24 09:50	11/27/24 11:05	1
Caprolactam	ND		4.8	3.7	ug/L		11/21/24 09:50	11/27/24 11:05	1
Carbazole	ND		0.96	0.47	ug/L		11/21/24 09:50	11/27/24 11:05	1
Chrysene	ND		0.19	0.063	ug/L		11/21/24 09:50	11/27/24 11:05	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:05	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-11-20241119

Lab Sample ID: 240-215300-2

Date Collected: 11/19/24 13:46

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/21/24 09:50	11/27/24 11:05	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/21/24 09:50	11/27/24 11:05	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/21/24 09:50	11/27/24 11:05	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/21/24 09:50	11/27/24 11:05	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/21/24 09:50	11/27/24 11:05	1
Fluoranthene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:05	1
Fluorene	ND		0.19	0.076	ug/L		11/21/24 09:50	11/27/24 11:05	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:05	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/21/24 09:50	11/27/24 11:05	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/21/24 09:50	11/27/24 11:05	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/21/24 09:50	11/27/24 11:05	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 11:05	1
Isophorone	ND		0.96	0.31	ug/L		11/21/24 09:50	11/27/24 11:05	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/21/24 09:50	11/27/24 11:05	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/21/24 09:50	11/27/24 11:05	1
Naphthalene	ND		0.19	0.10	ug/L		11/21/24 09:50	11/27/24 11:05	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/21/24 09:50	11/27/24 11:05	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/21/24 09:50	11/27/24 11:05	1
Phenanthrene	ND		0.19	0.077	ug/L		11/21/24 09:50	11/27/24 11:05	1
Phenol	ND		0.96	0.39	ug/L		11/21/24 09:50	11/27/24 11:05	1
Pyrene	ND		0.19	0.080	ug/L		11/21/24 09:50	11/27/24 11:05	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/21/24 09:50	11/27/24 11:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	84		43 - 136	11/21/24 09:50	11/27/24 11:05	1
Phenol-d5 (Surr)	71		10 - 120	11/21/24 09:50	11/27/24 11:05	1
Nitrobenzene-d5 (Surr)	71		40 - 120	11/21/24 09:50	11/27/24 11:05	1
2-Fluorophenol (Surr)	76		10 - 127	11/21/24 09:50	11/27/24 11:05	1
2-Fluorobiphenyl (Surr)	76		41 - 120	11/21/24 09:50	11/27/24 11:05	1
2,4,6-Tribromophenol (Surr)	82		23 - 127	11/21/24 09:50	11/27/24 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.096	0.054	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1221	ND		0.096	0.055	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1232	ND		0.096	0.071	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1242	ND		0.096	0.073	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1248	ND		0.096	0.048	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1254	ND		0.096	0.038	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1260	ND		0.096	0.044	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1262	ND		0.096	0.056	ug/L		11/21/24 10:06	11/25/24 14:38	1
Aroclor-1268	ND		0.096	0.060	ug/L		11/21/24 10:06	11/25/24 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	72		10 - 149	11/21/24 10:06	11/25/24 14:38	1
DCB Decachlorobiphenyl	65		10 - 174	11/21/24 10:06	11/25/24 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20		15	4.1	ug/L		11/20/24 14:00	11/21/24 18:17	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-11-20241119

Lab Sample ID: 240-215300-2

Date Collected: 11/19/24 13:46

Matrix: Water

Date Received: 11/19/24 17:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	32	J	200	1.3	ug/L		11/20/24 14:00	11/21/24 18:17	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 18:17	1
Chromium	2.5	J	10	0.76	ug/L		11/20/24 14:00	11/21/24 18:17	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 18:17	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 18:17	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 18:17	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 18:17	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		15	4.1	ug/L		11/20/24 14:00	11/21/24 18:30	1
Barium	25	J	200	1.3	ug/L		11/20/24 14:00	11/21/24 18:30	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 18:30	1
Chromium	1.6	J	10	0.76	ug/L		11/20/24 14:00	11/21/24 18:30	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 18:30	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 18:30	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 18:30	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 18:30	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 18:30	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		11/21/24 14:00	11/22/24 11:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/21/24 14:00	11/22/24 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0081	J	0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:37	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/02/24 15:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/20/24 09:28	1

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-6-20241119

Lab Sample ID: 240-215300-3

Date Collected: 11/19/24 13:05

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/24/24 06:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/24/24 06:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/24/24 06:27	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/24/24 06:27	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/24/24 06:27	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/24/24 06:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/24/24 06:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/24/24 06:27	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/24/24 06:27	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/24/24 06:27	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/24/24 06:27	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/24/24 06:27	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/24/24 06:27	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/24/24 06:27	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/24/24 06:27	1
2-Hexanone	ND		10	1.1	ug/L			11/24/24 06:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/24/24 06:27	1
Acetone	ND		10	5.4	ug/L			11/24/24 06:27	1
Benzene	ND		1.0	0.42	ug/L			11/24/24 06:27	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/24/24 06:27	1
Bromoform	ND		1.0	0.76	ug/L			11/24/24 06:27	1
Bromomethane	ND		1.0	0.42	ug/L			11/24/24 06:27	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/24/24 06:27	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/24/24 06:27	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/24/24 06:27	1
Chloroethane	ND		1.0	0.83	ug/L			11/24/24 06:27	1
Chloroform	ND		1.0	0.47	ug/L			11/24/24 06:27	1
Chloromethane	ND		1.0	0.63	ug/L			11/24/24 06:27	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/24/24 06:27	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/24/24 06:27	1
Cyclohexane	ND		1.0	0.48	ug/L			11/24/24 06:27	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/24/24 06:27	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/24/24 06:27	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/24/24 06:27	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/24/24 06:27	1
Methyl acetate	ND		10	1.7	ug/L			11/24/24 06:27	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/24/24 06:27	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/24/24 06:27	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/24/24 06:27	1
Styrene	ND		1.0	0.45	ug/L			11/24/24 06:27	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/24/24 06:27	1
Toluene	ND		1.0	0.44	ug/L			11/24/24 06:27	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/24/24 06:27	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/24/24 06:27	1
Trichloroethene	ND		1.0	0.44	ug/L			11/24/24 06:27	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/24/24 06:27	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/24/24 06:27	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/24/24 06:27	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-6-20241119

Lab Sample ID: 240-215300-3

Date Collected: 11/19/24 13:05

Matrix: Water

Date Received: 11/19/24 17:05

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		11/24/24 06:27	1
Dibromofluoromethane (Surr)	98		73 - 120		11/24/24 06:27	1
4-Bromofluorobenzene (Surr)	98		56 - 136		11/24/24 06:27	1
1,2-Dichloroethane-d4 (Surr)	111		62 - 137		11/24/24 06:27	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/21/24 09:50	11/27/24 11:27	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/21/24 09:50	11/27/24 11:27	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/21/24 09:50	11/27/24 11:27	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/21/24 09:50	11/27/24 11:27	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/21/24 09:50	11/27/24 11:27	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/21/24 09:50	11/27/24 11:27	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/21/24 09:50	11/27/24 11:27	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/21/24 09:50	11/27/24 11:27	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/21/24 09:50	11/27/24 11:27	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/21/24 09:50	11/27/24 11:27	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/21/24 09:50	11/27/24 11:27	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/21/24 09:50	11/27/24 11:27	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/21/24 09:50	11/27/24 11:27	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/21/24 09:50	11/27/24 11:27	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/21/24 09:50	11/27/24 11:27	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/21/24 09:50	11/27/24 11:27	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/21/24 09:50	11/27/24 11:27	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/21/24 09:50	11/27/24 11:27	1
Acenaphthene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 11:27	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/21/24 09:50	11/27/24 11:27	1
Acetophenone	ND		0.96	0.35	ug/L		11/21/24 09:50	11/27/24 11:27	1
Anthracene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 11:27	1
Atrazine	ND		1.9	0.92	ug/L		11/21/24 09:50	11/27/24 11:27	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/21/24 09:50	11/27/24 11:27	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/21/24 09:50	11/27/24 11:27	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 11:27	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:27	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/21/24 09:50	11/27/24 11:27	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 11:27	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/21/24 09:50	11/27/24 11:27	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/21/24 09:50	11/27/24 11:27	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/21/24 09:50	11/27/24 11:27	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/21/24 09:50	11/27/24 11:27	1
Caprolactam	ND		4.8	3.7	ug/L		11/21/24 09:50	11/27/24 11:27	1
Carbazole	ND		0.96	0.47	ug/L		11/21/24 09:50	11/27/24 11:27	1
Chrysene	ND		0.19	0.063	ug/L		11/21/24 09:50	11/27/24 11:27	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:27	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-6-20241119

Lab Sample ID: 240-215300-3

Date Collected: 11/19/24 13:05

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/21/24 09:50	11/27/24 11:27	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/21/24 09:50	11/27/24 11:27	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/21/24 09:50	11/27/24 11:27	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/21/24 09:50	11/27/24 11:27	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/21/24 09:50	11/27/24 11:27	1
Fluoranthene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:27	1
Fluorene	ND		0.19	0.076	ug/L		11/21/24 09:50	11/27/24 11:27	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/21/24 09:50	11/27/24 11:27	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/21/24 09:50	11/27/24 11:27	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/21/24 09:50	11/27/24 11:27	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/21/24 09:50	11/27/24 11:27	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/21/24 09:50	11/27/24 11:27	1
Isophorone	ND		0.96	0.31	ug/L		11/21/24 09:50	11/27/24 11:27	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/21/24 09:50	11/27/24 11:27	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/21/24 09:50	11/27/24 11:27	1
Naphthalene	ND		0.19	0.10	ug/L		11/21/24 09:50	11/27/24 11:27	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/21/24 09:50	11/27/24 11:27	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/21/24 09:50	11/27/24 11:27	1
Phenanthrene	0.17	J	0.19	0.077	ug/L		11/21/24 09:50	11/27/24 11:27	1
Phenol	ND		0.96	0.39	ug/L		11/21/24 09:50	11/27/24 11:27	1
Pyrene	ND		0.19	0.080	ug/L		11/21/24 09:50	11/27/24 11:27	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/21/24 09:50	11/27/24 11:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	86		43 - 136	11/21/24 09:50	11/27/24 11:27	1
Phenol-d5 (Surr)	74		10 - 120	11/21/24 09:50	11/27/24 11:27	1
Nitrobenzene-d5 (Surr)	71		40 - 120	11/21/24 09:50	11/27/24 11:27	1
2-Fluorophenol (Surr)	75		10 - 127	11/21/24 09:50	11/27/24 11:27	1
2-Fluorobiphenyl (Surr)	74		41 - 120	11/21/24 09:50	11/27/24 11:27	1
2,4,6-Tribromophenol (Surr)	72		23 - 127	11/21/24 09:50	11/27/24 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/21/24 10:06	11/25/24 14:52	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/21/24 10:06	11/25/24 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		10 - 149	11/21/24 10:06	11/25/24 14:52	1
DCB Decachlorobiphenyl	62		10 - 174	11/21/24 10:06	11/25/24 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10	J	15	4.1	ug/L		11/20/24 14:00	11/21/24 18:35	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: MW-6-20241119

Lab Sample ID: 240-215300-3

Date Collected: 11/19/24 13:05

Matrix: Water

Date Received: 11/19/24 17:05

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	54	J	200	1.3	ug/L		11/20/24 14:00	11/21/24 18:35	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 18:35	1
Chromium	2.3	J	10	0.76	ug/L		11/20/24 14:00	11/21/24 18:35	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 18:35	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 18:35	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 18:35	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 18:35	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11	J	15	4.1	ug/L		11/20/24 14:00	11/21/24 18:40	1
Barium	49	J	200	1.3	ug/L		11/20/24 14:00	11/21/24 18:40	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 18:40	1
Chromium	1.7	J	10	0.76	ug/L		11/20/24 14:00	11/21/24 18:40	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 18:40	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 18:40	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 18:40	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 18:40	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 18:40	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		11/21/24 14:00	11/22/24 11:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/21/24 14:00	11/22/24 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:49	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/02/24 15:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/20/24 09:28	1

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: TB-1-20241119

Lab Sample ID: 240-215300-4

Date Collected: 11/19/24 15:00

Matrix: Water

Date Received: 11/19/24 17:05

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/23/24 23:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/23/24 23:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/23/24 23:51	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/23/24 23:51	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/23/24 23:51	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/23/24 23:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/23/24 23:51	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/23/24 23:51	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/23/24 23:51	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/23/24 23:51	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/23/24 23:51	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/23/24 23:51	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/23/24 23:51	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/23/24 23:51	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/23/24 23:51	1
2-Hexanone	ND		10	1.1	ug/L			11/23/24 23:51	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/23/24 23:51	1
Acetone	ND		10	5.4	ug/L			11/23/24 23:51	1
Benzene	ND		1.0	0.42	ug/L			11/23/24 23:51	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/23/24 23:51	1
Bromoform	ND		1.0	0.76	ug/L			11/23/24 23:51	1
Bromomethane	ND		1.0	0.42	ug/L			11/23/24 23:51	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/23/24 23:51	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/23/24 23:51	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/23/24 23:51	1
Chloroethane	ND		1.0	0.83	ug/L			11/23/24 23:51	1
Chloroform	ND		1.0	0.47	ug/L			11/23/24 23:51	1
Chloromethane	ND		1.0	0.63	ug/L			11/23/24 23:51	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/23/24 23:51	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/23/24 23:51	1
Cyclohexane	ND		1.0	0.48	ug/L			11/23/24 23:51	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/23/24 23:51	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/23/24 23:51	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/23/24 23:51	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/23/24 23:51	1
Methyl acetate	ND		10	1.7	ug/L			11/23/24 23:51	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/23/24 23:51	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/23/24 23:51	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/23/24 23:51	1
Styrene	ND		1.0	0.45	ug/L			11/23/24 23:51	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/23/24 23:51	1
Toluene	ND		1.0	0.44	ug/L			11/23/24 23:51	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/23/24 23:51	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/23/24 23:51	1
Trichloroethene	ND		1.0	0.44	ug/L			11/23/24 23:51	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/23/24 23:51	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/23/24 23:51	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/23/24 23:51	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215300-1

Client Sample ID: TB-1-20241119

Lab Sample ID: 240-215300-4

Date Collected: 11/19/24 15:00

Matrix: Water

Date Received: 11/19/24 17:05

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	100		78 - 122		11/23/24 23:51	1
<i>Dibromofluoromethane (Surr)</i>	99		73 - 120		11/23/24 23:51	1
<i>4-Bromofluorobenzene (Surr)</i>	100		56 - 136		11/23/24 23:51	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	113		62 - 137		11/23/24 23:51	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

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

Job ID: 240-215300-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-215300-1	MW-10-20241119	100	99	100	113
240-215300-2	MW-11-20241119	101	100	99	113
240-215300-3	MW-6-20241119	99	98	98	111
240-215300-4	TB-1-20241119	100	99	100	113
LCS 240-636489/4	Lab Control Sample	100	93	101	101
MB 240-636489/9	Method Blank	99	99	100	109

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-215300-1	MW-10-20241119	87	79	71	78	74	70
240-215300-2	MW-11-20241119	84	71	71	76	76	82
240-215300-3	MW-6-20241119	86	74	71	75	74	72
LCS 240-636199/2-A	Lab Control Sample	80	66	79	112	75	82
MB 240-636199/1-A	Method Blank	72	56	64	60	64	60

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (10-149)	DCBP1 (10-174)
240-215300-1	MW-10-20241119	61	54
240-215300-2	MW-11-20241119	72	65
240-215300-3	MW-6-20241119	68	62
LCS 240-636202/2-A	Lab Control Sample	52	61
MB 240-636202/1-A	Method Blank	57	70

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-215300-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636489/9

Matrix: Water

Analysis Batch: 636489

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/23/24 21:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/23/24 21:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/23/24 21:32	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/23/24 21:32	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/23/24 21:32	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/23/24 21:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/23/24 21:32	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/23/24 21:32	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/23/24 21:32	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/23/24 21:32	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/23/24 21:32	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/23/24 21:32	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/23/24 21:32	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/23/24 21:32	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/23/24 21:32	1
2-Hexanone	ND		10	1.1	ug/L			11/23/24 21:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/23/24 21:32	1
Acetone	ND		10	5.4	ug/L			11/23/24 21:32	1
Benzene	ND		1.0	0.42	ug/L			11/23/24 21:32	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/23/24 21:32	1
Bromoform	ND		1.0	0.76	ug/L			11/23/24 21:32	1
Bromomethane	ND		1.0	0.42	ug/L			11/23/24 21:32	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/23/24 21:32	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/23/24 21:32	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/23/24 21:32	1
Chloroethane	ND		1.0	0.83	ug/L			11/23/24 21:32	1
Chloroform	ND		1.0	0.47	ug/L			11/23/24 21:32	1
Chloromethane	ND		1.0	0.63	ug/L			11/23/24 21:32	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/23/24 21:32	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/23/24 21:32	1
Cyclohexane	ND		1.0	0.48	ug/L			11/23/24 21:32	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/23/24 21:32	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/23/24 21:32	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/23/24 21:32	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/23/24 21:32	1
Methyl acetate	ND		10	1.7	ug/L			11/23/24 21:32	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/23/24 21:32	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/23/24 21:32	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/23/24 21:32	1
Styrene	ND		1.0	0.45	ug/L			11/23/24 21:32	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/23/24 21:32	1
Toluene	ND		1.0	0.44	ug/L			11/23/24 21:32	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/23/24 21:32	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/23/24 21:32	1
Trichloroethene	ND		1.0	0.44	ug/L			11/23/24 21:32	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/23/24 21:32	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/23/24 21:32	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/23/24 21:32	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636489/9

Matrix: Water

Analysis Batch: 636489

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	99		78 - 122		11/23/24 21:32	1
Dibromofluoromethane (Surr)	99		73 - 120		11/23/24 21:32	1
4-Bromofluorobenzene (Surr)	100		56 - 136		11/23/24 21:32	1
1,2-Dichloroethane-d4 (Surr)	109		62 - 137		11/23/24 21:32	1

Lab Sample ID: LCS 240-636489/4

Matrix: Water

Analysis Batch: 636489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.6		ug/L		86	51 - 146
1,1,2-Trichloroethane	25.0	22.2		ug/L		89	70 - 138
1,1-Dichloroethane	25.0	22.1		ug/L		89	72 - 127
1,1-Dichloroethene	25.0	20.5		ug/L		82	63 - 134
1,2,4-Trichlorobenzene	25.0	20.2		ug/L		81	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	17.4		ug/L		70	53 - 135
Ethylene Dibromide	25.0	21.3		ug/L		85	71 - 134
1,2-Dichlorobenzene	25.0	21.0		ug/L		84	78 - 120
1,2-Dichloroethane	25.0	21.9		ug/L		87	66 - 128
1,2-Dichloropropane	25.0	23.2		ug/L		93	75 - 133
1,3-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 120
1,4-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 120
2-Butanone (MEK)	50.0	41.0		ug/L		82	54 - 156
2-Hexanone	50.0	47.0		ug/L		94	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	41.6		ug/L		83	46 - 158
Acetone	50.0	48.5		ug/L		97	50 - 149
Benzene	25.0	22.4		ug/L		89	77 - 123
Dichlorobromomethane	25.0	19.6		ug/L		78	69 - 126
Bromoform	25.0	16.5		ug/L		66	57 - 129
Bromomethane	25.0	12.7		ug/L		51	36 - 142
Carbon disulfide	25.0	20.0		ug/L		80	43 - 140
Carbon tetrachloride	25.0	19.0		ug/L		76	55 - 137
Chlorobenzene	25.0	21.3		ug/L		85	80 - 121
Chloroethane	25.0	22.4		ug/L		89	38 - 152
Chloroform	25.0	20.4		ug/L		82	74 - 122
Chloromethane	25.0	20.9		ug/L		84	47 - 143
cis-1,2-Dichloroethene	25.0	21.3		ug/L		85	77 - 123
cis-1,3-Dichloropropene	25.0	19.7		ug/L		79	64 - 130
Cyclohexane	25.0	22.4		ug/L		90	58 - 146
Chlorodibromomethane	25.0	17.9		ug/L		71	70 - 124
Dichlorodifluoromethane	25.0	23.8		ug/L		95	34 - 153
Ethylbenzene	25.0	21.5		ug/L		86	80 - 121
Isopropylbenzene	25.0	24.0		ug/L		96	74 - 128
Methyl acetate	50.0	44.5		ug/L		89	42 - 169
Methyl tert-butyl ether	25.0	22.1		ug/L		89	65 - 126
Methylcyclohexane	25.0	22.5		ug/L		90	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636489/4

Matrix: Water

Analysis Batch: 636489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	21.0		ug/L		84	71 - 125
Styrene	25.0	21.9		ug/L		87	80 - 135
Tetrachloroethene	25.0	19.6		ug/L		78	76 - 123
Toluene	25.0	21.4		ug/L		86	80 - 123
trans-1,2-Dichloroethene	25.0	20.6		ug/L		82	75 - 124
trans-1,3-Dichloropropene	25.0	21.3		ug/L		85	57 - 129
Trichloroethene	25.0	20.2		ug/L		81	70 - 122
Trichlorofluoromethane	25.0	22.2		ug/L		89	30 - 170
Vinyl chloride	25.0	25.9		ug/L		104	60 - 144
Xylenes, Total	50.0	41.8		ug/L		84	80 - 121
m-Xylene & p-Xylene	25.0	21.0		ug/L		84	80 - 120
o-Xylene	25.0	20.8		ug/L		83	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120
4-Bromofluorobenzene (Surr)	101		56 - 136
1,2-Dichloroethane-d4 (Surr)	101		62 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636199/1-A

Matrix: Water

Analysis Batch: 636928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/21/24 09:50	11/27/24 09:33	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/21/24 09:50	11/27/24 09:33	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/21/24 09:50	11/27/24 09:33	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/21/24 09:50	11/27/24 09:33	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/21/24 09:50	11/27/24 09:33	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/21/24 09:50	11/27/24 09:33	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/21/24 09:50	11/27/24 09:33	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/21/24 09:50	11/27/24 09:33	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/21/24 09:50	11/27/24 09:33	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/21/24 09:50	11/27/24 09:33	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/21/24 09:50	11/27/24 09:33	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/21/24 09:50	11/27/24 09:33	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/21/24 09:50	11/27/24 09:33	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/21/24 09:50	11/27/24 09:33	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/21/24 09:50	11/27/24 09:33	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/21/24 09:50	11/27/24 09:33	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/21/24 09:50	11/27/24 09:33	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636199/1-A

Matrix: Water

Analysis Batch: 636928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636199

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Nitrophenol	ND		10	2.2	ug/L		11/21/24 09:50	11/27/24 09:33	1
Acenaphthene	ND		0.20	0.17	ug/L		11/21/24 09:50	11/27/24 09:33	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/21/24 09:50	11/27/24 09:33	1
Acetophenone	ND		1.0	0.37	ug/L		11/21/24 09:50	11/27/24 09:33	1
Anthracene	ND		0.20	0.14	ug/L		11/21/24 09:50	11/27/24 09:33	1
Atrazine	ND		2.0	0.95	ug/L		11/21/24 09:50	11/27/24 09:33	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/21/24 09:50	11/27/24 09:33	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/21/24 09:50	11/27/24 09:33	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/21/24 09:50	11/27/24 09:33	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/21/24 09:50	11/27/24 09:33	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/21/24 09:50	11/27/24 09:33	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/21/24 09:50	11/27/24 09:33	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/21/24 09:50	11/27/24 09:33	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/21/24 09:50	11/27/24 09:33	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/21/24 09:50	11/27/24 09:33	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/21/24 09:50	11/27/24 09:33	1
Caprolactam	ND		5.0	3.8	ug/L		11/21/24 09:50	11/27/24 09:33	1
Carbazole	ND		1.0	0.49	ug/L		11/21/24 09:50	11/27/24 09:33	1
Chrysene	ND		0.20	0.066	ug/L		11/21/24 09:50	11/27/24 09:33	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/21/24 09:50	11/27/24 09:33	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/21/24 09:50	11/27/24 09:33	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/21/24 09:50	11/27/24 09:33	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/21/24 09:50	11/27/24 09:33	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/21/24 09:50	11/27/24 09:33	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/21/24 09:50	11/27/24 09:33	1
Fluoranthene	ND		0.20	0.16	ug/L		11/21/24 09:50	11/27/24 09:33	1
Fluorene	ND		0.20	0.079	ug/L		11/21/24 09:50	11/27/24 09:33	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/21/24 09:50	11/27/24 09:33	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/21/24 09:50	11/27/24 09:33	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/21/24 09:50	11/27/24 09:33	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/21/24 09:50	11/27/24 09:33	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/21/24 09:50	11/27/24 09:33	1
Isophorone	ND		1.0	0.32	ug/L		11/21/24 09:50	11/27/24 09:33	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/21/24 09:50	11/27/24 09:33	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/21/24 09:50	11/27/24 09:33	1
Naphthalene	ND		0.20	0.11	ug/L		11/21/24 09:50	11/27/24 09:33	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/21/24 09:50	11/27/24 09:33	1
Pentachlorophenol	ND		10	3.1	ug/L		11/21/24 09:50	11/27/24 09:33	1
Phenanthrene	ND		0.20	0.080	ug/L		11/21/24 09:50	11/27/24 09:33	1
Phenol	ND		1.0	0.40	ug/L		11/21/24 09:50	11/27/24 09:33	1
Pyrene	ND		0.20	0.083	ug/L		11/21/24 09:50	11/27/24 09:33	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/21/24 09:50	11/27/24 09:33	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	72		43 - 136	11/21/24 09:50	11/27/24 09:33	1
Phenol-d5 (Surr)	56		10 - 120	11/21/24 09:50	11/27/24 09:33	1
Nitrobenzene-d5 (Surr)	64		40 - 120	11/21/24 09:50	11/27/24 09:33	1
2-Fluorophenol (Surr)	60		10 - 127	11/21/24 09:50	11/27/24 09:33	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636199/1-A

Matrix: Water

Analysis Batch: 636928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636199

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	64		41 - 120	11/21/24 09:50	11/27/24 09:33	1
2,4,6-Tribromophenol (Surr)	60		23 - 127	11/21/24 09:50	11/27/24 09:33	1

Lab Sample ID: LCS 240-636199/2-A

Matrix: Water

Analysis Batch: 636928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	28.5		ug/L		89	34 - 126
2,4,5-Trichlorophenol	32.0	26.2		ug/L		82	51 - 129
2,4,6-Trichlorophenol	32.0	25.0		ug/L		78	51 - 128
2,4-Dichlorophenol	32.0	25.1		ug/L		79	57 - 122
2,4-Dimethylphenol	32.0	27.5		ug/L		86	33 - 120
2,4-Dinitrophenol	64.0	39.6		ug/L		62	27 - 126
2,4-Dinitrotoluene	32.0	25.8		ug/L		81	55 - 131
2,6-Dinitrotoluene	32.0	26.1		ug/L		82	54 - 134
2-Chloronaphthalene	32.0	24.0		ug/L		75	50 - 120
2-Chlorophenol	32.0	29.5		ug/L		92	57 - 120
2-Methylnaphthalene	32.0	21.2		ug/L		66	47 - 120
2-Methylphenol	32.0	26.8		ug/L		84	47 - 120
2-Nitroaniline	32.0	26.9		ug/L		84	51 - 138
2-Nitrophenol	32.0	25.0		ug/L		78	53 - 127
3,3'-Dichlorobenzidine	64.0	52.6		ug/L		82	39 - 150
3-Nitroaniline	32.0	24.5		ug/L		76	13 - 156
4,6-Dinitro-2-methylphenol	64.0	54.7		ug/L		85	45 - 130
4-Bromophenyl phenyl ether	32.0	27.4		ug/L		86	51 - 129
4-Chloro-3-methylphenol	32.0	25.0		ug/L		78	57 - 126
4-Chloroaniline	32.0	4.29		ug/L		13	10 - 120
4-Chlorophenyl phenyl ether	32.0	24.5		ug/L		77	52 - 122
4-Nitroaniline	32.0	30.1		ug/L		94	44 - 156
4-Nitrophenol	64.0	28.9		ug/L		45	14 - 120
Acenaphthene	32.0	23.8		ug/L		74	50 - 120
Acenaphthylene	32.0	27.0		ug/L		84	49 - 120
Acetophenone	32.0	24.6		ug/L		77	52 - 120
Anthracene	32.0	27.6		ug/L		86	55 - 124
Atrazine	32.0	31.2		ug/L		97	50 - 152
Benzaldehyde	32.0	35.1		ug/L		110	36 - 168
Benzo[a]anthracene	32.0	26.6		ug/L		83	55 - 130
Benzo[a]pyrene	32.0	26.8		ug/L		84	51 - 123
Benzo[b]fluoranthene	32.0	27.2		ug/L		85	51 - 130
Benzo[g,h,i]perylene	32.0	28.2		ug/L		88	55 - 135
Benzo[k]fluoranthene	32.0	25.6		ug/L		80	53 - 130
Bis(2-chloroethoxy)methane	32.0	25.2		ug/L		79	50 - 121
Bis(2-chloroethyl)ether	32.0	24.6		ug/L		77	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.8		ug/L		90	45 - 142
Butyl benzyl phthalate	32.0	26.6		ug/L		83	48 - 140
Caprolactam	32.0	5.33		ug/L		17	10 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636199/2-A
Matrix: Water
Analysis Batch: 636928

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	32.0	28.1		ug/L		88	56 - 135
Chrysene	32.0	24.7		ug/L		77	52 - 126
Dibenz(a,h)anthracene	32.0	26.6		ug/L		83	57 - 132
Dibenzofuran	32.0	23.7		ug/L		74	52 - 120
Diethyl phthalate	32.0	25.0		ug/L		78	51 - 127
Dimethyl phthalate	32.0	26.3		ug/L		82	40 - 136
Di-n-butyl phthalate	32.0	27.8		ug/L		87	56 - 138
Di-n-octyl phthalate	32.0	28.7		ug/L		90	45 - 135
Fluoranthene	32.0	28.4		ug/L		89	56 - 135
Fluorene	32.0	23.5		ug/L		74	52 - 124
Hexachlorobenzene	32.0	25.3		ug/L		79	49 - 127
Hexachlorobutadiene	32.0	19.8		ug/L		62	36 - 120
Hexachlorocyclopentadiene	32.0	31.0		ug/L		97	10 - 120
Hexachloroethane	32.0	20.1		ug/L		63	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	26.9		ug/L		84	55 - 134
Isophorone	32.0	27.0		ug/L		84	50 - 127
N-Nitrosodi-n-propylamine	32.0	27.8		ug/L		87	49 - 128
N-Nitrosodiphenylamine	32.0	26.8		ug/L		84	53 - 127
Naphthalene	32.0	21.4		ug/L		67	46 - 120
Nitrobenzene	32.0	25.1		ug/L		78	50 - 123
Pentachlorophenol	64.0	45.5		ug/L		71	24 - 124
Phenanthrene	32.0	25.5		ug/L		80	54 - 120
Phenol	32.0	21.2		ug/L		66	10 - 120
Pyrene	32.0	26.7		ug/L		83	53 - 135
3 & 4 Methylphenol	32.0	24.6		ug/L		77	41 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	80		43 - 136
Phenol-d5 (Surr)	66		10 - 120
Nitrobenzene-d5 (Surr)	79		40 - 120
2-Fluorophenol (Surr)	112		10 - 127
2-Fluorobiphenyl (Surr)	75		41 - 120
2,4,6-Tribromophenol (Surr)	82		23 - 127

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

Lab Sample ID: MB 240-636202/1-A
Matrix: Water
Analysis Batch: 636572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636202

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	ND		0.10	0.056	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/21/24 10:06	11/25/24 11:19	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

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

Lab Sample ID: MB 240-636202/1-A
Matrix: Water
Analysis Batch: 636572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636202

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1268	ND		0.10	0.062	ug/L		11/21/24 10:06	11/25/24 11:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		10 - 149				11/21/24 10:06	11/25/24 11:19	1
DCB Decachlorobiphenyl	70		10 - 174				11/21/24 10:06	11/25/24 11:19	1

Lab Sample ID: LCS 240-636202/2-A
Matrix: Water
Analysis Batch: 636572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636202

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.57		ug/L		63	28 - 140
Aroclor-1260	2.50	1.65		ug/L		66	39 - 153
Surrogate	%Recovery	Qualifier	Limits				
Tetrachloro-m-xylene	52		10 - 149				
DCB Decachlorobiphenyl	61		10 - 174				

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-636058/1-A
Matrix: Water
Analysis Batch: 636325

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636058

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/20/24 14:00	11/21/24 16:07	1
Barium	ND		200	1.3	ug/L		11/20/24 14:00	11/21/24 16:07	1
Cadmium	ND		5.0	0.45	ug/L		11/20/24 14:00	11/21/24 16:07	1
Chromium	ND		10	0.76	ug/L		11/20/24 14:00	11/21/24 16:07	1
Copper	ND		25	3.5	ug/L		11/20/24 14:00	11/21/24 16:07	1
Lead	ND		10	2.8	ug/L		11/20/24 14:00	11/21/24 16:07	1
Selenium	ND		20	6.0	ug/L		11/20/24 14:00	11/21/24 16:07	1
Silver	ND		10	1.4	ug/L		11/20/24 14:00	11/21/24 16:07	1
Zinc	ND		50	23	ug/L		11/20/24 14:00	11/21/24 16:07	1

Lab Sample ID: LCS 240-636058/2-A
Matrix: Water
Analysis Batch: 636325

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636058

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	2000	1990		ug/L		100	80 - 120
Barium	2000	1900		ug/L		95	80 - 120
Cadmium	1000	959		ug/L		96	80 - 120
Chromium	1000	958		ug/L		96	80 - 120
Copper	1000	946		ug/L		95	80 - 120
Lead	1000	958		ug/L		96	80 - 120
Selenium	2000	2060		ug/L		103	80 - 120
Silver	100	97.9		ug/L		98	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 240-215300-1 MS
Matrix: Water
Analysis Batch: 636325

Client Sample ID: MW-10-20241119
Prep Type: Total Recoverable
Prep Batch: 636058

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Arsenic	19		2000	2100		ug/L		104	75 - 125	
Barium	38	J	2000	1990		ug/L		98	75 - 125	
Cadmium	ND		1000	996		ug/L		100	75 - 125	
Chromium	1.9	J	1000	979		ug/L		98	75 - 125	
Copper	ND		1000	981		ug/L		98	75 - 125	
Lead	ND		1000	973		ug/L		97	75 - 125	
Selenium	ND		2000	2120		ug/L		106	75 - 125	
Silver	ND		100	102		ug/L		102	75 - 125	
Zinc	ND		1000	1040		ug/L		104	75 - 125	

Lab Sample ID: 240-215300-1 MSD
Matrix: Water
Analysis Batch: 636325

Client Sample ID: MW-10-20241119
Prep Type: Total Recoverable
Prep Batch: 636058

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Arsenic	19		2000	2020		ug/L		100	75 - 125	4	20	
Barium	38	J	2000	1940		ug/L		95	75 - 125	3	20	
Cadmium	ND		1000	963		ug/L		96	75 - 125	3	20	
Chromium	1.9	J	1000	956		ug/L		95	75 - 125	2	20	
Copper	ND		1000	955		ug/L		96	75 - 125	3	20	
Lead	ND		1000	945		ug/L		95	75 - 125	3	20	
Selenium	ND		2000	2040		ug/L		102	75 - 125	4	20	
Silver	ND		100	99.3		ug/L		99	75 - 125	3	20	
Zinc	ND		1000	1010		ug/L		101	75 - 125	3	20	

Lab Sample ID: 240-215300-1 MS
Matrix: Water
Analysis Batch: 636325

Client Sample ID: MW-10-20241119
Prep Type: Dissolved
Prep Batch: 636058

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Arsenic	16		2000	1890		ug/L		94	75 - 125	
Barium	35	J	2000	1810		ug/L		89	75 - 125	
Cadmium	ND		1000	898		ug/L		90	75 - 125	
Chromium	1.5	J	1000	892		ug/L		89	75 - 125	
Copper	ND		1000	886		ug/L		89	75 - 125	
Lead	ND		1000	885		ug/L		88	75 - 125	
Selenium	ND		2000	1920		ug/L		96	75 - 125	
Silver	ND		100	92.7		ug/L		93	75 - 125	
Zinc	ND		1000	950		ug/L		95	75 - 125	

Lab Sample ID: 240-215300-1 MSD
Matrix: Water
Analysis Batch: 636325

Client Sample ID: MW-10-20241119
Prep Type: Dissolved
Prep Batch: 636058

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Arsenic	16		2000	2010		ug/L		100	75 - 125	6	20	
Barium	35	J	2000	1920		ug/L		94	75 - 125	6	20	
Cadmium	ND		1000	957		ug/L		96	75 - 125	6	20	
Chromium	1.5	J	1000	947		ug/L		95	75 - 125	6	20	

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 240-215300-1 MSD
Matrix: Water
Analysis Batch: 636325

Client Sample ID: MW-10-20241119
Prep Type: Dissolved
Prep Batch: 636058

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Copper	ND		1000	944		ug/L		94	75 - 125	6	20
Lead	ND		1000	940		ug/L		94	75 - 125	6	20
Selenium	ND		2000	2030		ug/L		101	75 - 125	6	20
Silver	ND		100	98.8		ug/L		99	75 - 125	6	20
Zinc	ND		1000	1010		ug/L		101	75 - 125	6	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-636186/1-A
Matrix: Water
Analysis Batch: 636440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636186

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.20	0.13	ug/L		11/21/24 14:00	11/22/24 10:53	1

Lab Sample ID: LCS 240-636186/2-A
Matrix: Water
Analysis Batch: 636440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636186

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Mercury	5.00	5.22		ug/L		104	80 - 120

Lab Sample ID: 240-215300-1 MS
Matrix: Water
Analysis Batch: 636440

Client Sample ID: MW-10-20241119
Prep Type: Total/NA
Prep Batch: 636186

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				Limits
Mercury	ND		1.00	1.03		ug/L		103	80 - 120

Lab Sample ID: 240-215300-1 MSD
Matrix: Water
Analysis Batch: 636440

Client Sample ID: MW-10-20241119
Prep Type: Total/NA
Prep Batch: 636186

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Mercury	ND		1.00	1.02		ug/L		102	80 - 120	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-636028/3
Matrix: Water
Analysis Batch: 636028

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium, hexavalent	ND		0.020	0.0070	mg/L			11/20/24 09:28	1

Lab Sample ID: LCS 240-636028/4
Matrix: Water
Analysis Batch: 636028

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Chromium, hexavalent	0.250	0.274		mg/L		109	85 - 115

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215300-1

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-636201/1-A
Matrix: Water
Analysis Batch: 636235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:08	1

Lab Sample ID: LCS 240-636201/2-A
Matrix: Water
Analysis Batch: 636235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.324		mg/L		99	85 - 115

Lab Sample ID: MRL 240-636235/10
Matrix: Water
Analysis Batch: 636235

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00880	J	mg/L		88	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-581086/17
Matrix: Water
Analysis Batch: 581086

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/02/24 14:23	1

Lab Sample ID: MB 410-581086/33
Matrix: Water
Analysis Batch: 581086

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/02/24 15:03	1

Lab Sample ID: LCS 410-581086/32
Matrix: Water
Analysis Batch: 581086

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0521		mg/L		104	82 - 132

QC Association Summary

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

Job ID: 240-215300-1

GC/MS VOA

Analysis Batch: 636489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	8260D	
240-215300-2	MW-11-20241119	Total/NA	Water	8260D	
240-215300-3	MW-6-20241119	Total/NA	Water	8260D	
240-215300-4	TB-1-20241119	Total/NA	Water	8260D	
MB 240-636489/9	Method Blank	Total/NA	Water	8260D	
LCS 240-636489/4	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 636199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	3510C LVI	
240-215300-2	MW-11-20241119	Total/NA	Water	3510C LVI	
240-215300-3	MW-6-20241119	Total/NA	Water	3510C LVI	
MB 240-636199/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636199/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	8270E	636199
240-215300-2	MW-11-20241119	Total/NA	Water	8270E	636199
240-215300-3	MW-6-20241119	Total/NA	Water	8270E	636199
MB 240-636199/1-A	Method Blank	Total/NA	Water	8270E	636199
LCS 240-636199/2-A	Lab Control Sample	Total/NA	Water	8270E	636199

GC Semi VOA

Prep Batch: 636202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	3510C	
240-215300-2	MW-11-20241119	Total/NA	Water	3510C	
240-215300-3	MW-6-20241119	Total/NA	Water	3510C	
MB 240-636202/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-636202/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 636572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	8082A	636202
240-215300-2	MW-11-20241119	Total/NA	Water	8082A	636202
240-215300-3	MW-6-20241119	Total/NA	Water	8082A	636202
MB 240-636202/1-A	Method Blank	Total/NA	Water	8082A	636202
LCS 240-636202/2-A	Lab Control Sample	Total/NA	Water	8082A	636202

Metals

Prep Batch: 636058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Dissolved	Water	3005A	
240-215300-1	MW-10-20241119	Total Recoverable	Water	3005A	
240-215300-2	MW-11-20241119	Dissolved	Water	3005A	
240-215300-2	MW-11-20241119	Total Recoverable	Water	3005A	
240-215300-3	MW-6-20241119	Dissolved	Water	3005A	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-215300-1

Metals (Continued)

Prep Batch: 636058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-3	MW-6-20241119	Total Recoverable	Water	3005A	
MB 240-636058/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-636058/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-215300-1 MS	MW-10-20241119	Dissolved	Water	3005A	
240-215300-1 MS	MW-10-20241119	Total Recoverable	Water	3005A	
240-215300-1 MSD	MW-10-20241119	Dissolved	Water	3005A	
240-215300-1 MSD	MW-10-20241119	Total Recoverable	Water	3005A	

Prep Batch: 636186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Dissolved	Water	7470A	
240-215300-1	MW-10-20241119	Total/NA	Water	7470A	
240-215300-2	MW-11-20241119	Dissolved	Water	7470A	
240-215300-2	MW-11-20241119	Total/NA	Water	7470A	
240-215300-3	MW-6-20241119	Dissolved	Water	7470A	
240-215300-3	MW-6-20241119	Total/NA	Water	7470A	
MB 240-636186/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-636186/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-215300-1 MS	MW-10-20241119	Total/NA	Water	7470A	
240-215300-1 MSD	MW-10-20241119	Total/NA	Water	7470A	

Analysis Batch: 636325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Dissolved	Water	6010D	636058
240-215300-1	MW-10-20241119	Total Recoverable	Water	6010D	636058
240-215300-2	MW-11-20241119	Dissolved	Water	6010D	636058
240-215300-2	MW-11-20241119	Total Recoverable	Water	6010D	636058
240-215300-3	MW-6-20241119	Dissolved	Water	6010D	636058
240-215300-3	MW-6-20241119	Total Recoverable	Water	6010D	636058
MB 240-636058/1-A	Method Blank	Total Recoverable	Water	6010D	636058
LCS 240-636058/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636058
240-215300-1 MS	MW-10-20241119	Dissolved	Water	6010D	636058
240-215300-1 MS	MW-10-20241119	Total Recoverable	Water	6010D	636058
240-215300-1 MSD	MW-10-20241119	Dissolved	Water	6010D	636058
240-215300-1 MSD	MW-10-20241119	Total Recoverable	Water	6010D	636058

Analysis Batch: 636440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Dissolved	Water	7470A	636186
240-215300-1	MW-10-20241119	Total/NA	Water	7470A	636186
240-215300-2	MW-11-20241119	Dissolved	Water	7470A	636186
240-215300-2	MW-11-20241119	Total/NA	Water	7470A	636186
240-215300-3	MW-6-20241119	Dissolved	Water	7470A	636186
240-215300-3	MW-6-20241119	Total/NA	Water	7470A	636186
MB 240-636186/1-A	Method Blank	Total/NA	Water	7470A	636186
LCS 240-636186/2-A	Lab Control Sample	Total/NA	Water	7470A	636186
240-215300-1 MS	MW-10-20241119	Total/NA	Water	7470A	636186
240-215300-1 MSD	MW-10-20241119	Total/NA	Water	7470A	636186

QC Association Summary

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

Job ID: 240-215300-1

General Chemistry

Analysis Batch: 581086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	OIA-1677	
240-215300-2	MW-11-20241119	Total/NA	Water	OIA-1677	
240-215300-3	MW-6-20241119	Total/NA	Water	OIA-1677	
MB 410-581086/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-581086/33	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-581086/32	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 636028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Dissolved	Water	7196A	
240-215300-2	MW-11-20241119	Dissolved	Water	7196A	
240-215300-3	MW-6-20241119	Dissolved	Water	7196A	
MB 240-636028/3	Method Blank	Total/NA	Water	7196A	
LCS 240-636028/4	Lab Control Sample	Total/NA	Water	7196A	

Prep Batch: 636201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	9012B	
240-215300-2	MW-11-20241119	Total/NA	Water	9012B	
240-215300-3	MW-6-20241119	Total/NA	Water	9012B	
MB 240-636201/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-636201/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 636235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215300-1	MW-10-20241119	Total/NA	Water	9012B	636201
240-215300-2	MW-11-20241119	Total/NA	Water	9012B	636201
240-215300-3	MW-6-20241119	Total/NA	Water	9012B	636201
MB 240-636201/1-A	Method Blank	Total/NA	Water	9012B	636201
LCS 240-636201/2-A	Lab Control Sample	Total/NA	Water	9012B	636201
MRL 240-636235/10	Lab Control Sample	Total/NA	Water	9012B	

Lab Chronicle

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

Job ID: 240-215300-1

Client Sample ID: MW-10-20241119

Lab Sample ID: 240-215300-1

Date Collected: 11/19/24 10:03

Matrix: Water

Date Received: 11/19/24 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636489	CS	EET CLE	11/24/24 05:41
Total/NA	Prep	3510C LVI			636199	GBS	EET CLE	11/21/24 09:50
Total/NA	Analysis	8270E		1	636928	MRU	EET CLE	11/27/24 10:42
Total/NA	Prep	3510C			636202	GBS	EET CLE	11/21/24 10:06
Total/NA	Analysis	8082A		1	636572	MBB	EET CLE	11/25/24 14:24
Dissolved	Prep	3005A			636058	BN	EET CLE	11/20/24 14:00
Dissolved	Analysis	6010D		1	636325	KLC	EET CLE	11/21/24 16:47
Total Recoverable	Prep	3005A			636058	BN	EET CLE	11/20/24 14:00
Total Recoverable	Analysis	6010D		1	636325	KLC	EET CLE	11/21/24 16:16
Dissolved	Prep	7470A			636186	BN	EET CLE	11/21/24 14:00
Dissolved	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 11:02
Total/NA	Prep	7470A			636186	BN	EET CLE	11/21/24 14:00
Total/NA	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 10:57
Dissolved	Analysis	7196A		1	636028	AJ	EET CLE	11/20/24 09:28
Total/NA	Prep	9012B			636201	C5SV	EET CLE	11/21/24 09:54
Total/NA	Analysis	9012B		1	636235	C5SV	EET CLE	11/21/24 11:35
Total/NA	Analysis	OIA-1677		1	581086	UJE2	ELLE	12/02/24 15:31

Client Sample ID: MW-11-20241119

Lab Sample ID: 240-215300-2

Date Collected: 11/19/24 13:46

Matrix: Water

Date Received: 11/19/24 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636489	CS	EET CLE	11/24/24 06:04
Total/NA	Prep	3510C LVI			636199	GBS	EET CLE	11/21/24 09:50
Total/NA	Analysis	8270E		1	636928	MRU	EET CLE	11/27/24 11:05
Total/NA	Prep	3510C			636202	GBS	EET CLE	11/21/24 10:06
Total/NA	Analysis	8082A		1	636572	MBB	EET CLE	11/25/24 14:38
Dissolved	Prep	3005A			636058	BN	EET CLE	11/20/24 14:00
Dissolved	Analysis	6010D		1	636325	KLC	EET CLE	11/21/24 18:30
Total Recoverable	Prep	3005A			636058	BN	EET CLE	11/20/24 14:00
Total Recoverable	Analysis	6010D		1	636325	KLC	EET CLE	11/21/24 18:17
Dissolved	Prep	7470A			636186	BN	EET CLE	11/21/24 14:00
Dissolved	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 11:05
Total/NA	Prep	7470A			636186	BN	EET CLE	11/21/24 14:00
Total/NA	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 11:03
Dissolved	Analysis	7196A		1	636028	AJ	EET CLE	11/20/24 09:28
Total/NA	Prep	9012B			636201	C5SV	EET CLE	11/21/24 09:54
Total/NA	Analysis	9012B		1	636235	C5SV	EET CLE	11/21/24 11:37
Total/NA	Analysis	OIA-1677		1	581086	UJE2	ELLE	12/02/24 15:33

Lab Chronicle

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

Job ID: 240-215300-1

Client Sample ID: MW-6-20241119

Lab Sample ID: 240-215300-3

Date Collected: 11/19/24 13:05

Matrix: Water

Date Received: 11/19/24 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636489	CS	EET CLE	11/24/24 06:27
Total/NA	Prep	3510C LVI			636199	GBS	EET CLE	11/21/24 09:50
Total/NA	Analysis	8270E		1	636928	MRU	EET CLE	11/27/24 11:27
Total/NA	Prep	3510C			636202	GBS	EET CLE	11/21/24 10:06
Total/NA	Analysis	8082A		1	636572	MBB	EET CLE	11/25/24 14:52
Dissolved	Prep	3005A			636058	BN	EET CLE	11/20/24 14:00
Dissolved	Analysis	6010D		1	636325	KLC	EET CLE	11/21/24 18:40
Total Recoverable	Prep	3005A			636058	BN	EET CLE	11/20/24 14:00
Total Recoverable	Analysis	6010D		1	636325	KLC	EET CLE	11/21/24 18:35
Dissolved	Prep	7470A			636186	BN	EET CLE	11/21/24 14:00
Dissolved	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 11:12
Total/NA	Prep	7470A			636186	BN	EET CLE	11/21/24 14:00
Total/NA	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 11:07
Dissolved	Analysis	7196A		1	636028	AJ	EET CLE	11/20/24 09:28
Total/NA	Prep	9012B			636201	C5SV	EET CLE	11/21/24 09:54
Total/NA	Analysis	9012B		1	636235	C5SV	EET CLE	11/21/24 11:49
Total/NA	Analysis	OIA-1677		1	581086	UJE2	ELLE	12/02/24 15:36

Client Sample ID: TB-1-20241119

Lab Sample ID: 240-215300-4

Date Collected: 11/19/24 15:00

Matrix: Water

Date Received: 11/19/24 17:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636489	CS	EET CLE	11/23/24 23:51

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 240-215300-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-24

Accreditation/Certification Summary

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

Job ID: 240-215300-1

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
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-25
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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



Eurofins Cleveland

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

Chain of Custody Record



Client Information		Sampler: <i>Tyler Reynolds</i>		Lab PM: Kalis, Nicole A		Carrier Tracking No(s):		COC No: 240-124901-43556.12																																																		
Client Contact: Kain Lager-Lowe		Phone:		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1																																																		
Company: August Mack Environmental, Inc.		PWSID:		Analysis Requested						Job #:																																																
Address: 7830 North Central Drive, Suite B		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>8260D - Full List VOCs</td> <td>8270E - 8VOCs (Scan)</td> <td>8082A - PCBs</td> <td>8010D/7470A - Total RCRA & Cu & Zn</td> <td>OIA-1977 - Cyanide, Free</td> <td>8012B - Total Cyanide</td> <td>8010D/7470A - Dissolved RCRA & Cu & Zn (Field Filter)</td> <td>7196A - Diss. Hexavalent Chromium - Field Filter</td> <td rowspan="5">Total Number of containers</td> </tr> <tr> <td>City: Lewis Center</td> <td>TAT Requested (days): <i>Standard</i></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>State, Zip: OH, 43035</td> <td>Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Phone: 740-548-1515(Tel)</td> <td>PO #:</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Email: klagerlowe@augustmack.com</td> <td>WO #:</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Full List VOCs	8270E - 8VOCs (Scan)	8082A - PCBs	8010D/7470A - Total RCRA & Cu & Zn	OIA-1977 - Cyanide, Free	8012B - Total Cyanide	8010D/7470A - Dissolved RCRA & Cu & Zn (Field Filter)	7196A - Diss. Hexavalent Chromium - Field Filter	Total Number of containers	City: Lewis Center	TAT Requested (days): <i>Standard</i>								State, Zip: OH, 43035	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								Phone: 740-548-1515(Tel)	PO #:								Email: klagerlowe@augustmack.com	WO #:								Preservation Codes: N - None A - HCL B - NaOH D - HNO3	
Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Full List VOCs	8270E - 8VOCs (Scan)							8082A - PCBs	8010D/7470A - Total RCRA & Cu & Zn	OIA-1977 - Cyanide, Free	8012B - Total Cyanide	8010D/7470A - Dissolved RCRA & Cu & Zn (Field Filter)	7196A - Diss. Hexavalent Chromium - Field Filter	Total Number of containers																																										
City: Lewis Center	TAT Requested (days): <i>Standard</i>																																																									
State, Zip: OH, 43035	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																																																									
Phone: 740-548-1515(Tel)	PO #:																																																									
Email: klagerlowe@augustmack.com	WO #:																																																									
Project Name: MSC Canfield - Groundwater		Project #: DO NOT DELETE - 24033889								Other:																																																
Site:		SSOW#:																																																								
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Soil, O=Other, BT=Tissue, AA=Air)		Special Instructions/Note:																																																
						Preservation Code:																																																				
<i>MW-10-20241119</i>		<i>11/19/2024</i>		<i>1003</i>		<i>G</i>		<i>Water</i>		<i>N</i>																																																
<i>MW-10-20241119-DISS</i>		<i>11/19/2024</i>		<i>1003</i>		<i>G</i>		<i>Water</i>		<i>Y</i>																																																
<i>MW-11-20241119</i>		<i>11/19/2024</i>		<i>1346</i>		<i>G</i>		<i>Water</i>		<i>N</i>																																																
<i>MW-11-20241119-DISS</i>		<i>11/19/2024</i>		<i>1346</i>		<i>G</i>		<i>Water</i>		<i>Y</i>																																																
<i>MW-6-20241119</i> <i>MW-6-20241119</i>		<i>11/19/2024</i>		<i>1305</i>		<i>G</i>		<i>Water</i>		<i>N</i>																																																
<i>MW-6-20241119-DISS</i>		<i>11/19/2024</i>		<i>1305</i>		<i>G</i>		<i>Water</i>		<i>Y</i>																																																
<i>TB-1-20241119</i>		<i>11/19/2024</i>		<i>1500</i>		<i>G</i>		<i>Water</i>		<i>N</i>																																																
<i>Water</i>								<i>Water</i>																																																		
<i>Water</i>								<i>Water</i>																																																		
<i>Water</i>								<i>Water</i>																																																		
<i>Water</i>								<i>Water</i>																																																		
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																						
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																						
Deliverable Requested: I, U, III, IV, Other (specify)				Special Instructions/QC Requirements: Add "-DISS" suffix to samples that are field filtered.																																																						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:																																																				
Relinquished by: <i>Tyler Reynolds</i>		Date/Time: <i>11/19/24 1600</i>		Company: <i>EVR</i>		Received by: <i>Malissa Loar</i>		Date/Time: <i>11/19/24 1600</i>		Company: <i>EVR</i>																																																
Relinquished by: <i>Malissa Loar</i>		Date/Time: <i>11/19/24 1705</i>		Company: <i>EVR</i>		Received by: <i>Malissa Loar</i>		Date/Time: <i>11-19-24 17:05</i>		Company: <i>EVR</i>																																																
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																																																
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																																																						



Eurofins - Cleveland Sample Receipt Form/Narrative Login # _____
 Barberton Facility

Client August Park Site Name _____
 Cooler Received on 11-19-24 Opened on 11-20-24 Cooler unpacked by: MALISSA LOAR

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courtes Other _____
 Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # CC Reams Box Client Cooler Box Other _____
 Packing material used: CC Bubble-Wrap Wet Ice 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 # 12 (CR) 10.1 °C Observed Cooler Temp. 20 °C Corrected Cooler Temp. 21 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No No NA
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No No NA
 -Were tamper/custody seals intact and uncompromised? Yes No No NA

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

3 Shippers' packing slip attached to the cooler(s)? Yes No No NA
 4. Did custody papers accompany the sample(s)? Yes No No NA
 5 Were the custody papers relinquished & signed in the appropriate place? Yes No No NA
 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No No NA
 7 Did all bottles arrive in good condition (Unbroken)? Yes No No NA
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No No NA
 9 For each sample, does the COC specify preservative (V/N), # of containers (V/N), and sample type of grab/cont (V/N)? Yes No No NA
 10 Were correct bottle(s) used for the test(s) indicated? Yes No No NA
 11 Sufficient quantity received to perform indicated analyses? Yes No No NA
 12. Are these work share samples and all listed on the COC? Yes No No NA
 13 Were all preserved sample(s) at the correct pH upon receipt? Yes No No NA pH Strip Lot# HCA448976
 14 Were VOAs on the COC? Yes No No NA
 15 Were air bubbles >6 mm in any VOA vials? Yes Larger than this No NA
 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No No NA
 17 Was a LL Hg or Me Hg trip blank present? Yes No No NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

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

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 _____

Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservation</u> <u>Temp</u>	<u>Added</u>	<u>Preservation</u> <u>Lot Number</u>
MW-10-20241119	240-215300-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-10-20241119	240-215300-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-10-20241119	240-215300-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-10-20241119	240-215300-D-1	Amber Plastic 125 mL - NaOH	>12			
MW-10-20241119	240-215300-E-1	Amber Glass 250ml - unpreserved				
MW-10-20241119	240-215300-F-1	Amber Glass 250ml - unpreserved				
MW-10-20241119	240-215300-G-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-10-20241119	240-215300-H-1	Plastic 500 mL - unpreserved - dis				
MW-10-20241119	240-215300-I-1	Plastic 500ml - with Nitric Acid				
MW-10-20241119	240-215300-J-1	Plastic 500ml - w/ Nitric - Dis.				
MW-10-20241119	240-215300-K-1	Amber Glass 1 liter - unpreserved				
MW-10-20241119	240-215300-L-1	Amber Glass 1 liter - unpreserved				
MW-11-20241119	240-215300-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-11-20241119	240-215300-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-11-20241119	240-215300-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-11-20241119	240-215300-D-2	Amber Plastic 125 mL - NaOH	>12			
MW-11-20241119	240-215300-E-2	Amber Glass 250ml - unpreserved				
MW-11-20241119	240-215300-F-2	Amber Glass 250ml - unpreserved				
MW-11-20241119	240-215300-G-2	Plastic 250ml - with Sodium Hydroxide	>12			
MW-11-20241119	240-215300-H-2	Plastic 500 mL - unpreserved - dis				
MW-11-20241119	240-215300-I-2	Plastic 500ml - with Nitric Acid				
MW-11-20241119	240-215300-J-2	Plastic 500ml - w/ Nitric - Dis.				
MW-11-20241119	240-215300-K-2	Amber Glass 1 liter - unpreserved				
MW-11-20241119	240-215300-L-2	Amber Glass 1 liter - unpreserved				
MW-06-20241119	240-215300-A-3	Voa Vial 40ml - Hydrochloric Acid				
MW-06-20241119	240-215300-B-3	Voa Vial 40ml - Hydrochloric Acid				
MW-06-20241119	240-215300-C-3	Voa Vial 40ml - Hydrochloric Acid				
MW-06-20241119	240-215300-D-3	Amber Plastic 125 mL - NaOH	>12			
MW-06-20241119	240-215300-E-3	Amber Glass 250ml - unpreserved				
MW-06-20241119	240-215300-F-3	Amber Glass 250ml - unpreserved				
MW-06-20241119	240-215300-G-3	Plastic 250ml - with Sodium Hydroxide	>12			
MW-06-20241119	240-215300-H-3	Plastic 500 mL - unpreserved - dis				
MW-06-20241119	240-215300-I-3	Plastic 500ml - with Nitric Acid				
MW-06-20241119	240-215300-J-3	Plastic 500ml - w/ Nitric - Dis				
MW-06-20241119	240-215300-K-3	Amber Glass 1 liter - unpreserved				



<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>	<u>Preservation</u>	<u>Preservation</u>	<u>Lot Number</u>
			<u>pH</u>	<u>Temp</u>	<u>Added</u>	
MW-06-20241119	240-215300-L-3	Amber Glass 1 liter - unpreserved				
TB-1-20241119	240-215300-A-4	Voa Vial 40ml - Hydrochloric Acid				
TB-1-20241119	240-215300-B-4	Voa Vial 40ml - Hydrochloric Acid				
TB-1-20241119	240-215300-C-4	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM Kalis, Nicole A	Carrier Tracking No(s): N/A	COC No: 240-194245.1					
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Nicole.Kalis@et.eurofins.com	State of Origin: Ohio	Page: Page 1 of 1					
Company: Eurofins Lancaster Laboratories Environ			Accreditations Required (See note): N/A		Job #: 240-215300-1					
Address: 2425 New Holland Pike, City: Lancaster		Due Date Requested: 12/4/2024	Analysis Requested			Preservation Codes: -				
State, Zip: PA, 17601		TAT Requested (days): N/A								
Phone: 717-856-2300(Tel)		PO #: N/A								
Email: N/A		WO #: N/A								
Project Name: MSC Canfield		Project #: 24033889								
Site: N/A		SSOW#: N/A								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677_Fresh Cyanide, Free	Total Number of Containers	Special Instructions/Note:
MW-10-20241119 (240-215300-1)		11/19/24	10:03 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste
MW-11-20241119 (240-215300-2)		11/19/24	13:46 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste
MW-06-20241119 (240-215300-3)		11/19/24	13:05 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste
<p>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 listed 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.</p>										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2					
Special Instructions/QC Requirements:										
Empty Kit Relinquished by:			Date:	Time:	Method of Shipment:					
Relinquished by: <i>[Signature]</i>			Date/Time: 11-20-24	Company:	Received by: <i>[Signature]</i>			Date/Time:	Company:	
Relinquished by:			Date/Time:	Company:	Received by:			Date/Time:	Company:	
Relinquished by:			Date/Time:	Company:	Received by: <i>[Signature]</i>			Date/Time: 11/21/24 9:40	Company: <i>[Signature]</i>	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temperature(s) and Other Remarks: R: 2.1 C: 1.9					

1-14



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-215300-1

Login Number: 215300

List Number: 2

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 11/21/24 03:13 PM

Question	Answer	Comment
The cooler's custody seal is 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/10/2024 8:43:26 PM

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-215332-1

Eurofins Cleveland

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
12/10/2024 8:43:26 PM

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

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	28
Lab Chronicle	30
Certification Summary	31
Chain of Custody	33
Receipt Checklists	37



Definitions/Glossary

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

Job ID: 240-215332-1

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-215332-1

Job ID: 240-215332-1

Eurofins Cleveland

Job Narrative 240-215332-1

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 11/20/2024 11:38 AM. 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 10.9°C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: MW-4-20241119 (240-215332-1), MW-4-20241119-DISS (240-215332-2) and TB-1-20241120 (240-215332-3). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE_ONE> proceed with/cancel analysis.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-636548 recovered above the upper control limit for Bromomethane, Chloroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-4-20241119 (240-215332-1) and TB-1-20241120 (240-215332-3).

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

GC/MS Semi VOA

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636339.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636761 recovered above the upper control limit for 2,2'-oxybis(1-chloropropane), Acetophenone and N-Nitrosodi-n-propylamine. The sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported. The following sample was impacted: MW-4-20241119 (240-215332-1).

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

PCBs

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

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.

Eurofins Cleveland

Method Summary

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

Job ID: 240-215332-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-215332-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215332-1	MW-4-20241119	Water	11/19/24 16:10	11/20/24 11:38
240-215332-3	TB-1-20241120	Water	11/20/24 08:00	11/20/24 11:38

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-215332-1

Client Sample ID: MW-4-20241119

Lab Sample ID: 240-215332-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	13000		500	220	ug/L	500		8260D	Total/NA
Arsenic	14	J	15	4.1	ug/L	1		6010D	Total Recoverable
Barium	43	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	2.6	J	10	0.76	ug/L	1		6010D	Total Recoverable
Arsenic	17		15	4.1	ug/L	1		6010D	Dissolved
Barium	40	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.7	J	10	0.76	ug/L	1		6010D	Dissolved
Cyanide, Total	0.014		0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: TB-1-20241120

Lab Sample ID: 240-215332-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland



Client Sample Results

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

Job ID: 240-215332-1

Client Sample ID: MW-4-20241119

Lab Sample ID: 240-215332-1

Date Collected: 11/19/24 16:10

Matrix: Water

Date Received: 11/20/24 11:38

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	240	ug/L			11/25/24 19:04	500
1,1,2,2-Tetrachloroethane	ND		500	300	ug/L			11/25/24 19:04	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	210	ug/L			11/25/24 19:04	500
1,1,2-Trichloroethane	ND		500	240	ug/L			11/25/24 19:04	500
1,1-Dichloroethane	ND		500	240	ug/L			11/25/24 19:04	500
1,1-Dichloroethene	ND		500	250	ug/L			11/25/24 19:04	500
1,2,4-Trichlorobenzene	ND		500	390	ug/L			11/25/24 19:04	500
1,2-Dibromo-3-Chloropropane	ND		1000	460	ug/L			11/25/24 19:04	500
Ethylene Dibromide	ND		500	210	ug/L			11/25/24 19:04	500
1,2-Dichlorobenzene	ND		500	240	ug/L			11/25/24 19:04	500
1,2-Dichloroethane	ND		500	230	ug/L			11/25/24 19:04	500
1,2-Dichloropropane	ND		500	240	ug/L			11/25/24 19:04	500
1,3-Dichlorobenzene	ND		500	230	ug/L			11/25/24 19:04	500
1,4-Dichlorobenzene	ND		500	210	ug/L			11/25/24 19:04	500
2-Butanone (MEK)	ND		5000	580	ug/L			11/25/24 19:04	500
2-Hexanone	ND		5000	560	ug/L			11/25/24 19:04	500
4-Methyl-2-pentanone (MIBK)	ND		5000	500	ug/L			11/25/24 19:04	500
Acetone	ND		5000	2700	ug/L			11/25/24 19:04	500
Benzene	ND		500	210	ug/L			11/25/24 19:04	500
Dichlorobromomethane	ND		500	190	ug/L			11/25/24 19:04	500
Bromoform	ND		500	380	ug/L			11/25/24 19:04	500
Bromomethane	ND		500	210	ug/L			11/25/24 19:04	500
Carbon disulfide	ND		500	300	ug/L			11/25/24 19:04	500
Carbon tetrachloride	ND		500	130	ug/L			11/25/24 19:04	500
Chlorobenzene	ND		500	190	ug/L			11/25/24 19:04	500
Chloroethane	ND		500	420	ug/L			11/25/24 19:04	500
Chloroform	ND		500	240	ug/L			11/25/24 19:04	500
Chloromethane	ND		500	320	ug/L			11/25/24 19:04	500
cis-1,2-Dichloroethene	ND		500	230	ug/L			11/25/24 19:04	500
cis-1,3-Dichloropropene	ND		500	310	ug/L			11/25/24 19:04	500
Cyclohexane	ND		500	240	ug/L			11/25/24 19:04	500
Chlorodibromomethane	ND		500	200	ug/L			11/25/24 19:04	500
Dichlorodifluoromethane	ND		500	180	ug/L			11/25/24 19:04	500
Ethylbenzene	ND		500	210	ug/L			11/25/24 19:04	500
Isopropylbenzene	ND		500	250	ug/L			11/25/24 19:04	500
Methyl acetate	ND		5000	860	ug/L			11/25/24 19:04	500
Methyl tert-butyl ether	ND		500	240	ug/L			11/25/24 19:04	500
Methylcyclohexane	ND		500	170	ug/L			11/25/24 19:04	500
Methylene Chloride	ND		2500	1300	ug/L			11/25/24 19:04	500
Styrene	ND		500	230	ug/L			11/25/24 19:04	500
Tetrachloroethene	ND		500	220	ug/L			11/25/24 19:04	500
Toluene	ND		500	220	ug/L			11/25/24 19:04	500
trans-1,2-Dichloroethene	ND		500	260	ug/L			11/25/24 19:04	500
trans-1,3-Dichloropropene	ND		500	340	ug/L			11/25/24 19:04	500
Trichloroethene	13000		500	220	ug/L			11/25/24 19:04	500
Trichlorofluoromethane	ND		500	230	ug/L			11/25/24 19:04	500
Vinyl chloride	ND		500	230	ug/L			11/25/24 19:04	500
Xylenes, Total	ND		1000	210	ug/L			11/25/24 19:04	500

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215332-1

Client Sample ID: MW-4-20241119

Lab Sample ID: 240-215332-1

Date Collected: 11/19/24 16:10

Matrix: Water

Date Received: 11/20/24 11:38

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		78 - 122		11/25/24 19:04	500
Dibromofluoromethane (Surr)	101		73 - 120		11/25/24 19:04	500
4-Bromofluorobenzene (Surr)	79		56 - 136		11/25/24 19:04	500
1,2-Dichloroethane-d4 (Surr)	99		62 - 137		11/25/24 19:04	500

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 13:53	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/22/24 09:01	11/26/24 13:53	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/22/24 09:01	11/26/24 13:53	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/22/24 09:01	11/26/24 13:53	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 13:53	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 13:53	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/22/24 09:01	11/26/24 13:53	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/22/24 09:01	11/26/24 13:53	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/22/24 09:01	11/26/24 13:53	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/22/24 09:01	11/26/24 13:53	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/22/24 09:01	11/26/24 13:53	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/22/24 09:01	11/26/24 13:53	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/22/24 09:01	11/26/24 13:53	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/22/24 09:01	11/26/24 13:53	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/22/24 09:01	11/26/24 13:53	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/22/24 09:01	11/26/24 13:53	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/22/24 09:01	11/26/24 13:53	1
4-Nitrophenol	ND		10	2.2	ug/L		11/22/24 09:01	11/26/24 13:53	1
Acenaphthene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 13:53	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/22/24 09:01	11/26/24 13:53	1
Acetophenone	ND		1.0	0.37	ug/L		11/22/24 09:01	11/26/24 13:53	1
Anthracene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 13:53	1
Atrazine	ND		2.0	0.95	ug/L		11/22/24 09:01	11/26/24 13:53	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/22/24 09:01	11/26/24 13:53	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/22/24 09:01	11/26/24 13:53	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 13:53	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 13:53	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/22/24 09:01	11/26/24 13:53	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 13:53	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/22/24 09:01	11/26/24 13:53	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 13:53	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/22/24 09:01	11/26/24 13:53	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/22/24 09:01	11/26/24 13:53	1
Caprolactam	ND		5.0	3.8	ug/L		11/22/24 09:01	11/26/24 13:53	1
Carbazole	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 13:53	1
Chrysene	ND		0.20	0.066	ug/L		11/22/24 09:01	11/26/24 13:53	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 13:53	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215332-1

Client Sample ID: MW-4-20241119

Lab Sample ID: 240-215332-1

Date Collected: 11/19/24 16:10

Matrix: Water

Date Received: 11/20/24 11:38

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 13:53	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/22/24 09:01	11/26/24 13:53	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/22/24 09:01	11/26/24 13:53	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 13:53	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/22/24 09:01	11/26/24 13:53	1
Fluoranthene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 13:53	1
Fluorene	ND		0.20	0.079	ug/L		11/22/24 09:01	11/26/24 13:53	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 13:53	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/22/24 09:01	11/26/24 13:53	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/22/24 09:01	11/26/24 13:53	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 13:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 13:53	1
Isophorone	ND		1.0	0.32	ug/L		11/22/24 09:01	11/26/24 13:53	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/22/24 09:01	11/26/24 13:53	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/22/24 09:01	11/26/24 13:53	1
Naphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 13:53	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/22/24 09:01	11/26/24 13:53	1
Pentachlorophenol	ND		10	3.1	ug/L		11/22/24 09:01	11/26/24 13:53	1
Phenanthrene	ND		0.20	0.080	ug/L		11/22/24 09:01	11/26/24 13:53	1
Phenol	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 13:53	1
Pyrene	ND		0.20	0.083	ug/L		11/22/24 09:01	11/26/24 13:53	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/22/24 09:01	11/26/24 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	87		43 - 136	11/22/24 09:01	11/26/24 13:53	1
Phenol-d5 (Surr)	92		10 - 120	11/22/24 09:01	11/26/24 13:53	1
Nitrobenzene-d5 (Surr)	75		40 - 120	11/22/24 09:01	11/26/24 13:53	1
2-Fluorophenol (Surr)	89		10 - 127	11/22/24 09:01	11/26/24 13:53	1
2-Fluorobiphenyl (Surr)	76		41 - 120	11/22/24 09:01	11/26/24 13:53	1
2,4,6-Tribromophenol (Surr)	85		23 - 127	11/22/24 09:01	11/26/24 13:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.10	0.056	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/21/24 10:06	11/25/24 15:06	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/21/24 10:06	11/25/24 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	35		10 - 149	11/21/24 10:06	11/25/24 15:06	1
DCB Decachlorobiphenyl	35		10 - 174	11/21/24 10:06	11/25/24 15:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14	J	15	4.1	ug/L		11/21/24 14:00	11/22/24 18:11	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215332-1

Client Sample ID: MW-4-20241119

Lab Sample ID: 240-215332-1

Date Collected: 11/19/24 16:10

Matrix: Water

Date Received: 11/20/24 11:38

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	43	J	200	1.3	ug/L		11/21/24 14:00	11/22/24 18:11	1
Cadmium	ND		5.0	0.45	ug/L		11/21/24 14:00	11/22/24 18:11	1
Chromium	2.6	J	10	0.76	ug/L		11/21/24 14:00	11/22/24 18:11	1
Copper	ND		25	3.5	ug/L		11/21/24 14:00	11/22/24 18:11	1
Lead	ND		10	2.8	ug/L		11/21/24 14:00	11/22/24 18:11	1
Selenium	ND		20	6.0	ug/L		11/21/24 14:00	11/22/24 18:11	1
Silver	ND		10	1.4	ug/L		11/21/24 14:00	11/22/24 18:11	1
Zinc	ND		50	23	ug/L		11/21/24 14:00	11/22/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		15	4.1	ug/L		11/21/24 14:00	11/22/24 18:25	1
Barium	40	J	200	1.3	ug/L		11/21/24 14:00	11/22/24 18:25	1
Cadmium	ND		5.0	0.45	ug/L		11/21/24 14:00	11/22/24 18:25	1
Chromium	1.7	J	10	0.76	ug/L		11/21/24 14:00	11/22/24 18:25	1
Copper	ND		25	3.5	ug/L		11/21/24 14:00	11/22/24 18:25	1
Lead	ND		10	2.8	ug/L		11/21/24 14:00	11/22/24 18:25	1
Selenium	ND		20	6.0	ug/L		11/21/24 14:00	11/22/24 18:25	1
Silver	ND		10	1.4	ug/L		11/21/24 14:00	11/22/24 18:25	1
Zinc	ND		50	23	ug/L		11/21/24 14:00	11/22/24 18:25	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		11/21/24 14:00	11/22/24 13:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/21/24 14:00	11/22/24 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.014		0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:54	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/02/24 16:52	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/20/24 14:06	1

Client Sample Results

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

Job ID: 240-215332-1

Client Sample ID: TB-1-20241120

Lab Sample ID: 240-215332-3

Date Collected: 11/20/24 08:00

Matrix: Water

Date Received: 11/20/24 11:38

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 18:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 18:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 18:41	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 18:41	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 18:41	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 18:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 18:41	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 18:41	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 18:41	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 18:41	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 18:41	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 18:41	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 18:41	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 18:41	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 18:41	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 18:41	1
Acetone	ND		10	5.4	ug/L			11/25/24 18:41	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 18:41	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 18:41	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 18:41	1
Bromomethane	ND		1.0	0.42	ug/L			11/25/24 18:41	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 18:41	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 18:41	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 18:41	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 18:41	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 18:41	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 18:41	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/25/24 18:41	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 18:41	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 18:41	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 18:41	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 18:41	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 18:41	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 18:41	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 18:41	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 18:41	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 18:41	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 18:41	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 18:41	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 18:41	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 18:41	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 18:41	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 18:41	1
Trichloroethene	ND		1.0	0.44	ug/L			11/25/24 18:41	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/25/24 18:41	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/25/24 18:41	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 18:41	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215332-1

Client Sample ID: TB-1-20241120

Lab Sample ID: 240-215332-3

Date Collected: 11/20/24 08:00

Matrix: Water

Date Received: 11/20/24 11:38

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	104		78 - 122		11/25/24 18:41	1
Dibromofluoromethane (Surr)	109		73 - 120		11/25/24 18:41	1
4-Bromofluorobenzene (Surr)	92		56 - 136		11/25/24 18:41	1
1,2-Dichloroethane-d4 (Surr)	112		62 - 137		11/25/24 18:41	1

Surrogate Summary

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

Job ID: 240-215332-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TOL	DBFM	BFB	DCA
		(78-122)	(73-120)	(56-136)	(62-137)
240-215332-1	MW-4-20241119	95	101	79	99
240-215332-1 MS	MW-4-20241119	104	94	100	95
240-215332-1 MSD	MW-4-20241119	100	92	96	91
240-215332-3	TB-1-20241120	104	109	92	112
LCS 240-636548/5	Lab Control Sample	104	95	100	94
MB 240-636548/9	Method Blank	92	95	84	93

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TPHL	PHL	NBZ	2FP	FBP	TBP
		(43-136)	(10-120)	(40-120)	(10-127)	(41-120)	(23-127)
240-215332-1	MW-4-20241119	87	92	75	89	76	85
LCS 240-636339/2-A	Lab Control Sample	80	77	87	119	78	86
MB 240-636339/1-A	Method Blank	89	66	75	74	77	68

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)

PHL = Phenol-d5 (Surr)

NBZ = Nitrobenzene-d5 (Surr)

2FP = 2-Fluorophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	DCBP1
		(10-149)	(10-174)
240-215332-1	MW-4-20241119	35	35
LCS 240-636202/2-A	Lab Control Sample	52	61
MB 240-636202/1-A	Method Blank	57	70

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-215332-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636548/9

Matrix: Water

Analysis Batch: 636548

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 11:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 11:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 11:19	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 11:19	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 11:19	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 11:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 11:19	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 11:19	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 11:19	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 11:19	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 11:19	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 11:19	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 11:19	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 11:19	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 11:19	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 11:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 11:19	1
Acetone	ND		10	5.4	ug/L			11/25/24 11:19	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 11:19	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 11:19	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 11:19	1
Bromomethane	ND		1.0	0.42	ug/L			11/25/24 11:19	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 11:19	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 11:19	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 11:19	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 11:19	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 11:19	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 11:19	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/25/24 11:19	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 11:19	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 11:19	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 11:19	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 11:19	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 11:19	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 11:19	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 11:19	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 11:19	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 11:19	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 11:19	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 11:19	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 11:19	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 11:19	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 11:19	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 11:19	1
Trichloroethene	ND		1.0	0.44	ug/L			11/25/24 11:19	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/25/24 11:19	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/25/24 11:19	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 11:19	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636548/9
Matrix: Water
Analysis Batch: 636548

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	92		78 - 122		11/25/24 11:19	1
Dibromofluoromethane (Surr)	95		73 - 120		11/25/24 11:19	1
4-Bromofluorobenzene (Surr)	84		56 - 136		11/25/24 11:19	1
1,2-Dichloroethane-d4 (Surr)	93		62 - 137		11/25/24 11:19	1

Lab Sample ID: LCS 240-636548/5
Matrix: Water
Analysis Batch: 636548

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	1000	814		ug/L		81	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	1000	850		ug/L		85	51 - 146
1,1,2-Trichloroethane	1000	940		ug/L		94	70 - 138
1,1-Dichloroethane	1000	924		ug/L		92	72 - 127
1,1-Dichloroethene	1000	947		ug/L		95	63 - 134
1,2,4-Trichlorobenzene	1000	790		ug/L		79	44 - 147
1,2-Dibromo-3-Chloropropane	1000	751		ug/L		75	53 - 135
Ethylene Dibromide	1000	973		ug/L		97	71 - 134
1,2-Dichlorobenzene	1000	881		ug/L		88	78 - 120
1,2-Dichloroethane	1000	903		ug/L		90	66 - 128
1,2-Dichloropropane	1000	930		ug/L		93	75 - 133
1,3-Dichlorobenzene	1000	935		ug/L		94	80 - 120
1,4-Dichlorobenzene	1000	914		ug/L		91	80 - 120
2-Butanone (MEK)	2000	1770		ug/L		89	54 - 156
2-Hexanone	2000	2020		ug/L		101	43 - 167
4-Methyl-2-pentanone (MIBK)	2000	1850		ug/L		92	46 - 158
Acetone	2000	1660		ug/L		83	50 - 149
Benzene	1000	944		ug/L		94	77 - 123
Dichlorobromomethane	1000	892		ug/L		89	69 - 126
Bromoform	1000	901		ug/L		90	57 - 129
Bromomethane	1000	1190		ug/L		119	36 - 142
Carbon disulfide	1000	890		ug/L		89	43 - 140
Carbon tetrachloride	1000	953		ug/L		95	55 - 137
Chlorobenzene	1000	1010		ug/L		101	80 - 121
Chloroethane	1000	1330		ug/L		133	38 - 152
Chloroform	1000	878		ug/L		88	74 - 122
Chloromethane	1000	746		ug/L		75	47 - 143
cis-1,2-Dichloroethene	1000	947		ug/L		95	77 - 123
cis-1,3-Dichloropropene	1000	918		ug/L		92	64 - 130
Cyclohexane	1000	985		ug/L		98	58 - 146
Chlorodibromomethane	1000	970		ug/L		97	70 - 124
Dichlorodifluoromethane	1000	644		ug/L		64	34 - 153
Ethylbenzene	1000	1110		ug/L		111	80 - 121
Isopropylbenzene	1000	1180		ug/L		118	74 - 128
Methyl acetate	2000	1540		ug/L		77	42 - 169
Methyl tert-butyl ether	1000	955		ug/L		95	65 - 126
Methylcyclohexane	1000	1090		ug/L		109	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636548/5

Matrix: Water

Analysis Batch: 636548

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	1000	863		ug/L		86	71 - 125
Styrene	1000	1150		ug/L		115	80 - 135
Tetrachloroethene	1000	1040		ug/L		104	76 - 123
Toluene	1000	986		ug/L		99	80 - 123
trans-1,2-Dichloroethene	1000	923		ug/L		92	75 - 124
trans-1,3-Dichloropropene	1000	1030		ug/L		103	57 - 129
Trichloroethene	1000	962		ug/L		96	70 - 122
Trichlorofluoromethane	1000	1160		ug/L		116	30 - 170
Vinyl chloride	1000	849		ug/L		85	60 - 144
Xylenes, Total	2000	2200		ug/L		110	80 - 121
m-Xylene & p-Xylene	1000	1090		ug/L		109	80 - 120
o-Xylene	1000	1110		ug/L		111	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120
4-Bromofluorobenzene (Surr)	100		56 - 136
1,2-Dichloroethane-d4 (Surr)	94		62 - 137

Lab Sample ID: 240-215332-1 MS

Matrix: Water

Analysis Batch: 636548

Client Sample ID: MW-4-20241119

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		10000	9280		ug/L		93	60 - 130
1,1,2,2-Tetrachloroethane	ND		10000	8790		ug/L		88	54 - 145
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	8210		ug/L		82	41 - 147
1,1,2-Trichloroethane	ND		10000	9380		ug/L		94	69 - 131
1,1-Dichloroethane	ND		10000	9040		ug/L		90	68 - 125
1,1-Dichloroethene	ND		10000	8890		ug/L		89	56 - 135
1,2,4-Trichlorobenzene	ND		10000	7480		ug/L		75	29 - 156
1,2-Dibromo-3-Chloropropane	ND		10000	7560		ug/L		76	41 - 129
Ethylene Dibromide	ND		10000	9740		ug/L		97	69 - 125
1,2-Dichlorobenzene	ND		10000	9330		ug/L		93	73 - 120
1,2-Dichloroethane	ND		10000	9000		ug/L		90	63 - 126
1,2-Dichloropropane	ND		10000	9210		ug/L		92	69 - 130
1,3-Dichlorobenzene	ND		10000	9940		ug/L		99	73 - 120
1,4-Dichlorobenzene	ND		10000	9670		ug/L		97	74 - 120
2-Butanone (MEK)	ND		20000	17700		ug/L		89	40 - 151
2-Hexanone	ND		20000	19600		ug/L		98	35 - 156
4-Methyl-2-pentanone (MIBK)	ND		20000	18400		ug/L		92	31 - 153
Acetone	ND		20000	16400		ug/L		82	33 - 149
Benzene	ND		10000	9320		ug/L		93	64 - 128
Dichlorobromomethane	ND		10000	8800		ug/L		88	62 - 125
Bromoform	ND		10000	9300		ug/L		93	47 - 125
Bromomethane	ND		10000	11000		ug/L		110	28 - 150
Carbon disulfide	ND		10000	8340		ug/L		83	38 - 140
Carbon tetrachloride	ND		10000	9410		ug/L		94	51 - 133

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215332-1 MS

Client Sample ID: MW-4-20241119

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636548

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorobenzene	ND		10000	9860		ug/L		99	74 - 121
Chloroethane	ND		10000	12500		ug/L		125	10 - 199
Chloroform	ND		10000	8680		ug/L		87	70 - 122
Chloromethane	ND		10000	7420		ug/L		74	32 - 149
cis-1,2-Dichloroethene	ND		10000	9190		ug/L		92	66 - 128
cis-1,3-Dichloropropene	ND		10000	8890		ug/L		89	47 - 125
Cyclohexane	ND		10000	9160		ug/L		92	42 - 147
Chlorodibromomethane	ND		10000	9450		ug/L		95	65 - 120
Dichlorodifluoromethane	ND		10000	6600		ug/L		66	38 - 139
Ethylbenzene	ND		10000	10700		ug/L		107	67 - 127
Isopropylbenzene	ND		10000	11000		ug/L		110	64 - 129
Methyl acetate	ND		20000	15100		ug/L		75	37 - 155
Methyl tert-butyl ether	ND		10000	9270		ug/L		93	47 - 134
Methylcyclohexane	ND		10000	10100		ug/L		101	39 - 144
Methylene Chloride	ND		10000	8500		ug/L		85	62 - 129
Styrene	ND		10000	11000		ug/L		110	70 - 139
Tetrachloroethene	ND		10000	10000		ug/L		100	62 - 131
Toluene	ND		10000	9790		ug/L		98	58 - 135
trans-1,2-Dichloroethene	ND		10000	8960		ug/L		90	56 - 136
trans-1,3-Dichloropropene	ND		10000	9750		ug/L		98	47 - 120
Trichloroethene	13000		10000	22300		ug/L		91	61 - 124
Trichlorofluoromethane	ND		10000	10800		ug/L		108	24 - 177
Vinyl chloride	ND		10000	7620		ug/L		76	43 - 157
Xylenes, Total	ND		20000	21100		ug/L		106	71 - 123
m-Xylene & p-Xylene	ND		10000	10500		ug/L		105	71 - 123
o-Xylene	ND		10000	10600		ug/L		106	70 - 125

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120
4-Bromofluorobenzene (Surr)	100		56 - 136
1,2-Dichloroethane-d4 (Surr)	95		62 - 137

Lab Sample ID: 240-215332-1 MSD

Client Sample ID: MW-4-20241119

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636548

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		10000	9690		ug/L		97	60 - 130	4	17
1,1,1,2,2-Tetrachloroethane	ND		10000	8930		ug/L		89	54 - 145	2	15
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	8640		ug/L		86	41 - 147	5	35
1,1,2-Trichloroethane	ND		10000	9690		ug/L		97	69 - 131	3	14
1,1-Dichloroethane	ND		10000	9720		ug/L		97	68 - 125	7	13
1,1-Dichloroethene	ND		10000	9340		ug/L		93	56 - 135	5	26
1,2,4-Trichlorobenzene	ND		10000	8630		ug/L		86	29 - 156	14	19
1,2-Dibromo-3-Chloropropane	ND		10000	7880		ug/L		79	41 - 129	4	22
Ethylene Dibromide	ND		10000	9930		ug/L		99	69 - 125	2	14
1,2-Dichlorobenzene	ND		10000	9580		ug/L		96	73 - 120	3	14

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215332-1 MSD

Client Sample ID: MW-4-20241119

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636548

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,2-Dichloroethane	ND		10000	9180		ug/L		92	63 - 126	2	12
1,2-Dichloropropane	ND		10000	9560		ug/L		96	69 - 130	4	13
1,3-Dichlorobenzene	ND		10000	10000		ug/L		100	73 - 120	1	14
1,4-Dichlorobenzene	ND		10000	9960		ug/L		100	74 - 120	3	15
2-Butanone (MEK)	ND		20000	17500		ug/L		88	40 - 151	1	20
2-Hexanone	ND		20000	20400		ug/L		102	35 - 156	4	17
4-Methyl-2-pentanone (MIBK)	ND		20000	18900		ug/L		94	31 - 153	3	15
Acetone	ND		20000	17700		ug/L		88	33 - 149	8	34
Benzene	ND		10000	9620		ug/L		96	64 - 128	3	14
Dichlorobromomethane	ND		10000	9000		ug/L		90	62 - 125	2	13
Bromoform	ND		10000	9410		ug/L		94	47 - 125	1	15
Bromomethane	ND		10000	12100		ug/L		121	28 - 150	10	26
Carbon disulfide	ND		10000	9080		ug/L		91	38 - 140	9	23
Carbon tetrachloride	ND		10000	9820		ug/L		98	51 - 133	4	24
Chlorobenzene	ND		10000	10200		ug/L		102	74 - 121	4	14
Chloroethane	ND		10000	13000		ug/L		130	10 - 199	4	30
Chloroform	ND		10000	9040		ug/L		90	70 - 122	4	14
Chloromethane	ND		10000	7760		ug/L		78	32 - 149	4	27
cis-1,2-Dichloroethene	ND		10000	9540		ug/L		95	66 - 128	4	14
cis-1,3-Dichloropropene	ND		10000	9060		ug/L		91	47 - 125	2	13
Cyclohexane	ND		10000	9960		ug/L		100	42 - 147	8	35
Chlorodibromomethane	ND		10000	10100		ug/L		101	65 - 120	6	13
Dichlorodifluoromethane	ND		10000	6930		ug/L		69	38 - 139	5	35
Ethylbenzene	ND		10000	11200		ug/L		112	67 - 127	5	15
Isopropylbenzene	ND		10000	11800		ug/L		118	64 - 129	7	18
Methyl acetate	ND		20000	15500		ug/L		77	37 - 155	3	18
Methyl tert-butyl ether	ND		10000	9610		ug/L		96	47 - 134	4	16
Methylcyclohexane	ND		10000	11000		ug/L		110	39 - 144	8	35
Methylene Chloride	ND		10000	8930		ug/L		89	62 - 129	5	17
Styrene	ND		10000	11700		ug/L		117	70 - 139	6	18
Tetrachloroethene	ND		10000	10300		ug/L		103	62 - 131	2	20
Toluene	ND		10000	10200		ug/L		102	58 - 135	4	14
trans-1,2-Dichloroethene	ND		10000	9350		ug/L		94	56 - 136	4	15
trans-1,3-Dichloropropene	ND		10000	10200		ug/L		102	47 - 120	4	14
Trichloroethene	13000		10000	22600		ug/L		94	61 - 124	1	15
Trichlorofluoromethane	ND		10000	11500		ug/L		115	24 - 177	7	34
Vinyl chloride	ND		10000	8730		ug/L		87	43 - 157	13	24
Xylenes, Total	ND		20000	22000		ug/L		110	71 - 123	4	15
m-Xylene & p-Xylene	ND		10000	10800		ug/L		108	71 - 123	3	16
o-Xylene	ND		10000	11200		ug/L		112	70 - 125	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	100		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120
4-Bromofluorobenzene (Surr)	96		56 - 136
1,2-Dichloroethane-d4 (Surr)	91		62 - 137

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636339/1-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636339

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 09:42	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/22/24 09:01	11/26/24 09:42	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/22/24 09:01	11/26/24 09:42	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Nitrophenol	ND		10	2.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acenaphthene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acetophenone	ND		1.0	0.37	ug/L		11/22/24 09:01	11/26/24 09:42	1
Anthracene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Atrazine	ND		2.0	0.95	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/22/24 09:01	11/26/24 09:42	1
Caprolactam	ND		5.0	3.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Carbazole	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 09:42	1
Chrysene	ND		0.20	0.066	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 09:42	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/22/24 09:01	11/26/24 09:42	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/22/24 09:01	11/26/24 09:42	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636339/1-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636339

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 09:42	1
Fluorene	ND		0.20	0.079	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Isophorone	ND		1.0	0.32	ug/L		11/22/24 09:01	11/26/24 09:42	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/22/24 09:01	11/26/24 09:42	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/22/24 09:01	11/26/24 09:42	1
Naphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 09:42	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/22/24 09:01	11/26/24 09:42	1
Pentachlorophenol	ND		10	3.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
Phenanthrene	ND		0.20	0.080	ug/L		11/22/24 09:01	11/26/24 09:42	1
Phenol	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Pyrene	ND		0.20	0.083	ug/L		11/22/24 09:01	11/26/24 09:42	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/22/24 09:01	11/26/24 09:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	89		43 - 136	11/22/24 09:01	11/26/24 09:42	1
Phenol-d5 (Surr)	66		10 - 120	11/22/24 09:01	11/26/24 09:42	1
Nitrobenzene-d5 (Surr)	75		40 - 120	11/22/24 09:01	11/26/24 09:42	1
2-Fluorophenol (Surr)	74		10 - 127	11/22/24 09:01	11/26/24 09:42	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/22/24 09:01	11/26/24 09:42	1
2,4,6-Tribromophenol (Surr)	68		23 - 127	11/22/24 09:01	11/26/24 09:42	1

Lab Sample ID: LCS 240-636339/2-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	32.0	23.9		ug/L		75	48 - 120
bis (2-chloroisopropyl) ether	32.0	30.5		ug/L		95	34 - 126
2,4,5-Trichlorophenol	32.0	26.9		ug/L		84	51 - 129
2,4,6-Trichlorophenol	32.0	26.3		ug/L		82	51 - 128
2,4-Dichlorophenol	32.0	26.9		ug/L		84	57 - 122
2,4-Dimethylphenol	32.0	30.9		ug/L		97	33 - 120
2,4-Dinitrophenol	64.0	44.4		ug/L		69	27 - 126
2,4-Dinitrotoluene	32.0	27.5		ug/L		86	55 - 131
2,6-Dinitrotoluene	32.0	27.0		ug/L		84	54 - 134
2-Chloronaphthalene	32.0	24.8		ug/L		78	50 - 120
2-Chlorophenol	32.0	29.9		ug/L		93	57 - 120
2-Methylnaphthalene	32.0	22.2		ug/L		69	47 - 120
2-Methylphenol	32.0	28.0		ug/L		87	47 - 120
2-Nitroaniline	32.0	27.9		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.1		ug/L		81	53 - 127
3,3'-Dichlorobenzidine	64.0	52.8		ug/L		83	39 - 150
3-Nitroaniline	32.0	25.9		ug/L		81	13 - 156

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636339/2-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,6-Dinitro-2-methylphenol	64.0	54.8		ug/L		86	45 - 130
4-Bromophenyl phenyl ether	32.0	28.1		ug/L		88	51 - 129
4-Chloro-3-methylphenol	32.0	26.4		ug/L		82	57 - 126
4-Chloroaniline	32.0	5.13		ug/L		16	10 - 120
4-Chlorophenyl phenyl ether	32.0	25.7		ug/L		80	52 - 122
4-Nitroaniline	32.0	32.1		ug/L		100	44 - 156
4-Nitrophenol	64.0	40.1		ug/L		63	14 - 120
Acenaphthene	32.0	24.5		ug/L		76	50 - 120
Acenaphthylene	32.0	27.4		ug/L		86	49 - 120
Acetophenone	32.0	25.1		ug/L		79	52 - 120
Anthracene	32.0	28.8		ug/L		90	55 - 124
Atrazine	32.0	32.7		ug/L		102	50 - 152
Benzaldehyde	32.0	33.9		ug/L		106	36 - 168
Benzo[a]anthracene	32.0	28.0		ug/L		88	55 - 130
Benzo[a]pyrene	32.0	28.9		ug/L		90	51 - 123
Benzo[b]fluoranthene	32.0	29.5		ug/L		92	51 - 130
Benzo[g,h,i]perylene	32.0	30.1		ug/L		94	55 - 135
Benzo[k]fluoranthene	32.0	28.4		ug/L		89	53 - 130
Bis(2-chloroethoxy)methane	32.0	26.4		ug/L		83	50 - 121
Bis(2-chloroethyl)ether	32.0	24.2		ug/L		76	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	27.2		ug/L		85	45 - 142
Butyl benzyl phthalate	32.0	26.0		ug/L		81	48 - 140
Caprolactam	32.0	6.23		ug/L		19	10 - 120
Carbazole	32.0	29.2		ug/L		91	56 - 135
Chrysene	32.0	26.0		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	28.5		ug/L		89	57 - 132
Dibenzofuran	32.0	24.4		ug/L		76	52 - 120
Diethyl phthalate	32.0	26.7		ug/L		83	51 - 127
Dimethyl phthalate	32.0	26.9		ug/L		84	40 - 136
Di-n-butyl phthalate	32.0	30.2		ug/L		94	56 - 138
Di-n-octyl phthalate	32.0	27.4		ug/L		86	45 - 135
Fluoranthene	32.0	29.6		ug/L		93	56 - 135
Fluorene	32.0	24.6		ug/L		77	52 - 124
Hexachlorobenzene	32.0	27.6		ug/L		86	49 - 127
Hexachlorobutadiene	32.0	22.2		ug/L		69	36 - 120
Hexachlorocyclopentadiene	32.0	29.2		ug/L		91	10 - 120
Hexachloroethane	32.0	22.8		ug/L		71	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	28.8		ug/L		90	55 - 134
Isophorone	32.0	28.2		ug/L		88	50 - 127
N-Nitrosodi-n-propylamine	32.0	27.8		ug/L		87	49 - 128
N-Nitrosodiphenylamine	32.0	27.2		ug/L		85	53 - 127
Naphthalene	32.0	22.8		ug/L		71	46 - 120
Nitrobenzene	32.0	27.5		ug/L		86	50 - 123
Pentachlorophenol	64.0	50.3		ug/L		79	24 - 124
Phenanthrene	32.0	26.3		ug/L		82	54 - 120
Phenol	32.0	24.1		ug/L		75	10 - 120
Pyrene	32.0	26.7		ug/L		83	53 - 135
3 & 4 Methylphenol	32.0	25.7		ug/L		80	41 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636339/2-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636339

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	80		43 - 136
Phenol-d5 (Surr)	77		10 - 120
Nitrobenzene-d5 (Surr)	87		40 - 120
2-Fluorophenol (Surr)	119		10 - 127
2-Fluorobiphenyl (Surr)	78		41 - 120
2,4,6-Tribromophenol (Surr)	86		23 - 127

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

Lab Sample ID: MB 240-636202/1-A
Matrix: Water
Analysis Batch: 636572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636202

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	ND		0.10	0.056	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/21/24 10:06	11/25/24 11:19	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/21/24 10:06	11/25/24 11:19	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	57		10 - 149	11/21/24 10:06	11/25/24 11:19	1
DCB Decachlorobiphenyl	70		10 - 174	11/21/24 10:06	11/25/24 11:19	1

Lab Sample ID: LCS 240-636202/2-A
Matrix: Water
Analysis Batch: 636572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636202

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.57		ug/L		63	28 - 140
Aroclor-1260	2.50	1.65		ug/L		66	39 - 153

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	52		10 - 149
DCB Decachlorobiphenyl	61		10 - 174

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-636182/1-A
Matrix: Water
Analysis Batch: 636494

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636182

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/21/24 14:00	11/22/24 16:40	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 240-636182/1-A
Matrix: Water
Analysis Batch: 636494

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	1.3	ug/L		11/21/24 14:00	11/22/24 16:40	1
Cadmium	ND		5.0	0.45	ug/L		11/21/24 14:00	11/22/24 16:40	1
Chromium	ND		10	0.76	ug/L		11/21/24 14:00	11/22/24 16:40	1
Copper	ND		25	3.5	ug/L		11/21/24 14:00	11/22/24 16:40	1
Lead	ND		10	2.8	ug/L		11/21/24 14:00	11/22/24 16:40	1
Selenium	ND		20	6.0	ug/L		11/21/24 14:00	11/22/24 16:40	1
Silver	ND		10	1.4	ug/L		11/21/24 14:00	11/22/24 16:40	1
Zinc	ND		50	23	ug/L		11/21/24 14:00	11/22/24 16:40	1

Lab Sample ID: LCS 240-636182/2-A
Matrix: Water
Analysis Batch: 636494

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636182

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2000	1960		ug/L		98	80 - 120
Barium	2000	1900		ug/L		95	80 - 120
Cadmium	1000	945		ug/L		94	80 - 120
Chromium	1000	942		ug/L		94	80 - 120
Copper	1000	935		ug/L		94	80 - 120
Lead	1000	928		ug/L		93	80 - 120
Selenium	2000	1930		ug/L		97	80 - 120
Silver	100	95.3		ug/L		95	80 - 120
Zinc	1000	975		ug/L		97	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-636187/1-A
Matrix: Water
Analysis Batch: 636440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/21/24 14:00	11/22/24 13:16	1

Lab Sample ID: LCS 240-636187/2-A
Matrix: Water
Analysis Batch: 636440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	5.11		ug/L		102	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-636028/3
Matrix: Water
Analysis Batch: 636028

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			11/20/24 09:28	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: LCS 240-636028/4
Matrix: Water
Analysis Batch: 636028

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	0.274		mg/L		109	85 - 115

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-636201/1-A
Matrix: Water
Analysis Batch: 636235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:08	1

Lab Sample ID: LCS 240-636201/2-A
Matrix: Water
Analysis Batch: 636235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.324		mg/L		99	85 - 115

Lab Sample ID: MRL 240-636235/10
Matrix: Water
Analysis Batch: 636235

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00880	J	mg/L		88	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-581086/33
Matrix: Water
Analysis Batch: 581086

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/02/24 15:03	1

Lab Sample ID: MB 410-581086/49
Matrix: Water
Analysis Batch: 581086

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/02/24 15:43	1

Lab Sample ID: LCS 410-581086/48
Matrix: Water
Analysis Batch: 581086

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0490		mg/L		98	82 - 132

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215332-1

Method: OIA-1677 - Cyanide, Free (Flow Injection) (Continued)

Lab Sample ID: 240-215332-1 MS
Matrix: Water
Analysis Batch: 581086

Client Sample ID: MW-4-20241119
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	ND		0.0500	0.0572		mg/L		114	82 - 130

Lab Sample ID: 240-215332-1 MSD
Matrix: Water
Analysis Batch: 581086

Client Sample ID: MW-4-20241119
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Free	ND		0.0500	0.0573		mg/L		115	82 - 130	0	11

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

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

Job ID: 240-215332-1

GC/MS VOA

Analysis Batch: 636548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	8260D	
240-215332-3	TB-1-20241120	Total/NA	Water	8260D	
MB 240-636548/9	Method Blank	Total/NA	Water	8260D	
LCS 240-636548/5	Lab Control Sample	Total/NA	Water	8260D	
240-215332-1 MS	MW-4-20241119	Total/NA	Water	8260D	
240-215332-1 MSD	MW-4-20241119	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 636339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	3510C LVI	
MB 240-636339/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636339/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	8270E	636339
MB 240-636339/1-A	Method Blank	Total/NA	Water	8270E	636339
LCS 240-636339/2-A	Lab Control Sample	Total/NA	Water	8270E	636339

GC Semi VOA

Prep Batch: 636202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	3510C	
MB 240-636202/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-636202/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 636572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	8082A	636202
MB 240-636202/1-A	Method Blank	Total/NA	Water	8082A	636202
LCS 240-636202/2-A	Lab Control Sample	Total/NA	Water	8082A	636202

Metals

Prep Batch: 636182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Dissolved	Water	3005A	
240-215332-1	MW-4-20241119	Total Recoverable	Water	3005A	
MB 240-636182/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-636182/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 636187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Dissolved	Water	7470A	
240-215332-1	MW-4-20241119	Total/NA	Water	7470A	
MB 240-636187/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-636187/2-A	Lab Control Sample	Total/NA	Water	7470A	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-215332-1

Metals

Analysis Batch: 636440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Dissolved	Water	7470A	636187
240-215332-1	MW-4-20241119	Total/NA	Water	7470A	636187
MB 240-636187/1-A	Method Blank	Total/NA	Water	7470A	636187
LCS 240-636187/2-A	Lab Control Sample	Total/NA	Water	7470A	636187

Analysis Batch: 636494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Dissolved	Water	6010D	636182
240-215332-1	MW-4-20241119	Total Recoverable	Water	6010D	636182
MB 240-636182/1-A	Method Blank	Total Recoverable	Water	6010D	636182
LCS 240-636182/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636182

General Chemistry

Analysis Batch: 581086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	OIA-1677	
MB 410-581086/33	Method Blank	Total/NA	Water	OIA-1677	
MB 410-581086/49	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-581086/48	Lab Control Sample	Total/NA	Water	OIA-1677	
240-215332-1 MS	MW-4-20241119	Total/NA	Water	OIA-1677	
240-215332-1 MSD	MW-4-20241119	Total/NA	Water	OIA-1677	

Analysis Batch: 636028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Dissolved	Water	7196A	
MB 240-636028/3	Method Blank	Total/NA	Water	7196A	
LCS 240-636028/4	Lab Control Sample	Total/NA	Water	7196A	

Prep Batch: 636201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	9012B	
MB 240-636201/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-636201/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 636235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215332-1	MW-4-20241119	Total/NA	Water	9012B	636201
MB 240-636201/1-A	Method Blank	Total/NA	Water	9012B	636201
LCS 240-636201/2-A	Lab Control Sample	Total/NA	Water	9012B	636201
MRL 240-636235/10	Lab Control Sample	Total/NA	Water	9012B	

Lab Chronicle

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

Job ID: 240-215332-1

Client Sample ID: MW-4-20241119
Date Collected: 11/19/24 16:10
Date Received: 11/20/24 11:38

Lab Sample ID: 240-215332-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	636548	AJS	EET CLE	11/25/24 19:04
Total/NA	Prep	3510C LVI			636339	GBS	EET CLE	11/22/24 09:01
Total/NA	Analysis	8270E		1	636761	MRU	EET CLE	11/26/24 13:53
Total/NA	Prep	3510C			636202	GBS	EET CLE	11/21/24 10:06
Total/NA	Analysis	8082A		1	636572	MBB	EET CLE	11/25/24 15:06
Dissolved	Prep	3005A			636182	XWS6	EET CLE	11/21/24 14:00
Dissolved	Analysis	6010D		1	636494	KLC	EET CLE	11/22/24 18:25
Total Recoverable	Prep	3005A			636182	XWS6	EET CLE	11/21/24 14:00
Total Recoverable	Analysis	6010D		1	636494	KLC	EET CLE	11/22/24 18:11
Dissolved	Prep	7470A			636187	XWS6	EET CLE	11/21/24 14:00
Dissolved	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 13:46
Total/NA	Prep	7470A			636187	XWS6	EET CLE	11/21/24 14:00
Total/NA	Analysis	7470A		1	636440	TQ6W	EET CLE	11/22/24 13:44
Dissolved	Analysis	7196A		1	636028	AJ	EET CLE	11/20/24 14:06
Total/NA	Prep	9012B			636201	C5SV	EET CLE	11/21/24 09:54
Total/NA	Analysis	9012B		1	636235	C5SV	EET CLE	11/21/24 11:54
Total/NA	Analysis	OIA-1677		1	581086	UJE2	ELLE	12/02/24 16:52

Client Sample ID: TB-1-20241120
Date Collected: 11/20/24 08:00
Date Received: 11/20/24 11:38

Lab Sample ID: 240-215332-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636548	AJS	EET CLE	11/25/24 18:41

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 240-215332-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25

Accreditation/Certification Summary

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

Job ID: 240-215332-1

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
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
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	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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



Eurofins Cleveland

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

Chain of Custody Record

10.8/10.9



Client Information		Sampler: <i>Maddi Shaffer</i>		Lab PM: Kalis, Nicole A		Carrier Tracking No(s):		COC No: 240-124901-43556.12						
Client Contact: Kain Lager-Lowe		Phone:		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1						
Company: August Mack Environmental, Inc.				PWSID:		Analysis Requested								
Address: 7830 North Central Drive, Suite B		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8260D - Full List VOCs 8270E - SVOCs (Scan) 8082A - PCBs 8010D/7470A - Total RCRA 8, Cu & Zn OIA-1677 - Cyanide, Free 9012B - Total Cyanide 6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter) 7195A - Diss. Hexavalent Chromium - Field Filter		TAT Requested (days): <i>Standard</i>		Preservation Codes: N - None A - HCL B - NaOH D - HNO3						
City: Lewis Center		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Other:								
State, Zip: OH, 43035		PO #:				Special Instructions/Note:								
Phone: 740-548-1515(Tel)		WO #:												
Email: klagerlowe@augustmack.com		Project #:												
Project Name: MSC Canfield - Groundwater		SSOW#:												
Site:														
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)	Total Number of containers		Special Instructions/Note:					
							A	N						
MW-4-20241119	11/19/24	1610		Water	N	X	3	2	2	1	1	1	1	10
MW-4-20241119-DISS	11/19/24	1610		Water	Y									2
TB-1-20241120	11/20/24	800		Water	M		3							3
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
				Water										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, (U) III, IV, Other (specify)					Special Instructions/QC Requirements: Add "-DISS" suffix to samples that are field filtered.									
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:							
Relinquished by: <i>Andrew White</i>			Date/Time: 11/20/24 1030		Company: <i>AEF</i>		Received by: <i>[Signature]</i>							
Relinquished by: <i>[Signature]</i>			Date/Time: 11/20/24 1138		Company: <i>EVR</i>		Received by: <i>Jeollin</i>							
Relinquished by:			Date/Time:		Company:		Received by:							
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:										



Eurofins - Cleveland Sample Receipt Form/Narrative Login # _____

Client AUGUSTA MORGAN PHARMACEUTICALS Site Name _____ Cooler unpacked by JC

Cooler Received on 11-20-24 Opened on 11-20-24 Eurofins Courier _____ Other _____

FedEx: 1st Grd Exp UPS PAS Waypoint Client Drop Off Storage Location _____

Receipt After-hours Drop-off Date/Time _____
 Eurofins Cooler # FC Foam Box Client Cooler Box Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT Wet Ice Butter Ice Dry Ice Water None
 1 Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN # 17 CP 0.1 °C Observed Cooler Temp. 16.8 °C Corrected Cooler Temp. 10.9 °C

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

- Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
 - Were the seals on the outside of the cooler(s) signed & dated? Yes No
 - Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
 - Were tamper/custody seals intact and uncompromised? Yes No
- Shippers' packing slip attached to the cooler(s)? Yes No
- Did custody papers accompany the sample(s)? Yes No
- Were the custody papers relinquished & signed in the appropriate place? Yes No
- Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
- Did all bottles arrive in good condition (Unbroken)? Yes No
- Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
- For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes No
- Were correct bottle(s) used for the test(s) indicated? Yes No
- Sufficient quantity received to perform indicated analyses? Yes No
- 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
- Were all preserved sample(s) at the correct pH upon receipt? Yes No
- Were VOAs on the COC? Yes No
- Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No
- Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # NA Yes No
- 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: _____

high temp
sample to be - 20241120 was received with 2 of them being empty

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 _____



Login Container Summary Report

240-215332

12/10/2024

11/20/2024

Temperature readings

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
MW-4-20241119	240-215332-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-4-20241119	240-215332-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-4-20241119	240-215332-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-4-20241119	240-215332-D-1	Amber Plastic 125 mL - NaOH	>12			
MW-4-20241119	240-215332-E-1	Amber Glass 250ml - unpreserved				
MW-4-20241119	240-215332-F-1	Amber Glass 250ml - unpreserved				
MW-4-20241119	240-215332-G-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-4-20241119	240-215332-H-1	Plastic 500ml - with Nitric Acid	<2			
MW-4-20241119	240-215332-I-1	Amber Glass 1 liter - unpreserved				
MW-4-20241119	240-215332-J-1	Amber Glass 1 liter - unpreserved				
MW-4-20241119-DISS	240-215332-A-2	Plastic 500 mL - unpreserved - dis				
MW-4-20241119-DISS	240-215332-B-2	Plastic 500ml - w/ Nitric - Dis.	<2			
TB-1-20241120	240-215332-A-3	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kalis, Nicole A		Carrier Tracking No(s): N/A		COC No: 240-194275.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-215332-1			
Address: 2425 New Holland Pike, Lancaster, PA, 17601		Due Date Requested: 12/5/2024		Analysis Requested						Preservation Codes:	
City: Lancaster		TAT Requested (days): N/A								Other: N/A	
State, Zip: PA, 17601		PO #: N/A									
Phone: 717-656-2300(Tel)		WO #: N/A									
Email: N/A		Project #: 24033889									
Project Name: MSC Canfield		SSOW#: N/A		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Original Number of Containers			
Site: N/A				1577 Free/ Cyanide, Free							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Sewage, Oil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Original Number of Containers	Special Instructions/Note:		
MW-4-20241119 (240-215332-1)		11/19/24	16:10 Eastern	G	Water		X		Use caution! Site contaminated with solvent waste		
<p>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 listed above for analysis/test/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.</p>											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: <i>SMOROSKO</i>		Date/Time:		Company: <i>Env</i>		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by: <i>Ju</i>		Date/Time: 11/21/24 9:40			
Custody Seals Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Custody Seal No.:		Cooler Temperature(s) and Other Remarks: <i>2.2.1 C:1.9</i>							



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-215332-1

Login Number: 215332

List Number: 2

Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 11/21/24 03:13 PM

Question	Answer	Comment
The cooler's custody seal is 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 acceptable, where thermal pres is required ($\leq 6C$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6C$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2024 5:28:49 PM

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-215415-1

Eurofins Cleveland

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
12/4/2024 5:28:49 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	17
QC Sample Results	18
QC Association Summary	28
Lab Chronicle	31
Certification Summary	32
Chain of Custody	34
Receipt Checklists	38

Definitions/Glossary

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

Job ID: 240-215415-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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.

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-215415-1

Job ID: 240-215415-1

Eurofins Cleveland

Job Narrative 240-215415-1

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 11/21/2024 8:00 AM. 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 4.7°C.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 240-636590 recovered outside control limits for the following analytes: Bromomethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636590 was outside the method criteria for the following analyte(s): 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromomethane, Chloroethane and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636339.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636761 recovered above the upper control limit for 2,2-oxybis[1-chloropropane], Acetophenone and N-Nitrosodi-n-propylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples were impacted: MW-3-20241120 (240-215415-1) and MW-5-20241120 (240-215415-2).

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

PCBs

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

Metals

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

General Chemistry

Method 7196A - Dissolved: The following sample was diluted due to the nature of the sample matrix: MW-3-20241120 (240-215415-1). 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.

Eurofins Cleveland

Method Summary

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

Job ID: 240-215415-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-215415-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215415-1	MW-3-20241120	Water	11/20/24 11:27	11/21/24 08:00
240-215415-2	MW-5-20241120	Water	11/20/24 10:00	11/21/24 08:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-215415-1

Client Sample ID: MW-3-20241120

Lab Sample ID: 240-215415-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.2		1.0	0.46	ug/L	1		8260D	Total/NA
Trichloroethene	3.2		1.0	0.44	ug/L	1		8260D	Total/NA
Vinyl chloride	0.80	J	1.0	0.45	ug/L	1		8260D	Total/NA
Di-n-butyl phthalate	4.0	J	5.0	1.8	ug/L	1		8270E	Total/NA
Phenanthrene	0.14	J	0.20	0.080	ug/L	1		8270E	Total/NA
Pyrene	0.16	J	0.20	0.083	ug/L	1		8270E	Total/NA
Arsenic	13	J	15	4.1	ug/L	1		6010D	Total Recoverable
Barium	34	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	2.7	J	10	0.76	ug/L	1		6010D	Total Recoverable
Copper	25		25	3.5	ug/L	1		6010D	Total Recoverable
Zinc	310		50	23	ug/L	1		6010D	Total Recoverable
Arsenic	13	J	15	4.1	ug/L	1		6010D	Dissolved
Barium	36	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.3	J	10	0.76	ug/L	1		6010D	Dissolved
Copper	18	J	25	3.5	ug/L	1		6010D	Dissolved
Lead	2.9	J	10	2.8	ug/L	1		6010D	Dissolved
Zinc	160		50	23	ug/L	1		6010D	Dissolved
Cyanide, Total	0.84		0.050	0.030	mg/L	5		9012B	Total/NA
Cyanide, Free	1.3		0.060	0.050	mg/L	10		OIA-1677	Total/NA

Client Sample ID: MW-5-20241120

Lab Sample ID: 240-215415-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9600		250	110	ug/L	250		8260D	Total/NA
Naphthalene	0.12	J	0.22	0.12	ug/L	1		8270E	Total/NA
Arsenic	4.6	J	15	4.1	ug/L	1		6010D	Total Recoverable
Barium	65	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	2.8	J	10	0.76	ug/L	1		6010D	Total Recoverable
Arsenic	4.1	J	15	4.1	ug/L	1		6010D	Dissolved
Barium	63	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	2.9	J	10	0.76	ug/L	1		6010D	Dissolved
Cyanide, Total	0.0079	J	0.010	0.0060	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-3-20241120

Lab Sample ID: 240-215415-1

Date Collected: 11/20/24 11:27

Matrix: Water

Date Received: 11/21/24 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 18:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 18:31	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 18:31	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 18:31	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 18:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 18:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 18:31	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 18:31	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 18:31	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 18:31	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 18:31	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 18:31	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 18:31	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 18:31	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 18:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 18:31	1
Acetone	ND		10	5.4	ug/L			11/25/24 18:31	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 18:31	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 18:31	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 18:31	1
Bromomethane	ND	*+	1.0	0.42	ug/L			11/25/24 18:31	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 18:31	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 18:31	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 18:31	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 18:31	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 18:31	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 18:31	1
cis-1,2-Dichloroethene	4.2		1.0	0.46	ug/L			11/25/24 18:31	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 18:31	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 18:31	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 18:31	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 18:31	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 18:31	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 18:31	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 18:31	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 18:31	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 18:31	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 18:31	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 18:31	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 18:31	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 18:31	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 18:31	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 18:31	1
Trichloroethene	3.2		1.0	0.44	ug/L			11/25/24 18:31	1
Trichlorofluoromethane	ND	*+	1.0	0.45	ug/L			11/25/24 18:31	1
Vinyl chloride	0.80	J	1.0	0.45	ug/L			11/25/24 18:31	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 18:31	1

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-3-20241120

Lab Sample ID: 240-215415-1

Date Collected: 11/20/24 11:27

Matrix: Water

Date Received: 11/21/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		78 - 122		11/25/24 18:31	1
Dibromofluoromethane (Surr)	114		73 - 120		11/25/24 18:31	1
4-Bromofluorobenzene (Surr)	84		56 - 136		11/25/24 18:31	1
1,2-Dichloroethane-d4 (Surr)	128		62 - 137		11/25/24 18:31	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 14:38	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/22/24 09:01	11/26/24 14:38	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/22/24 09:01	11/26/24 14:38	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/22/24 09:01	11/26/24 14:38	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 14:38	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 14:38	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/22/24 09:01	11/26/24 14:38	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/22/24 09:01	11/26/24 14:38	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/22/24 09:01	11/26/24 14:38	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/22/24 09:01	11/26/24 14:38	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/22/24 09:01	11/26/24 14:38	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/22/24 09:01	11/26/24 14:38	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/22/24 09:01	11/26/24 14:38	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/22/24 09:01	11/26/24 14:38	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/22/24 09:01	11/26/24 14:38	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/22/24 09:01	11/26/24 14:38	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/22/24 09:01	11/26/24 14:38	1
4-Nitrophenol	ND		10	2.2	ug/L		11/22/24 09:01	11/26/24 14:38	1
Acenaphthene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 14:38	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/22/24 09:01	11/26/24 14:38	1
Acetophenone	ND		1.0	0.37	ug/L		11/22/24 09:01	11/26/24 14:38	1
Anthracene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 14:38	1
Atrazine	ND		2.0	0.95	ug/L		11/22/24 09:01	11/26/24 14:38	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/22/24 09:01	11/26/24 14:38	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/22/24 09:01	11/26/24 14:38	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 14:38	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 14:38	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/22/24 09:01	11/26/24 14:38	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 14:38	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/22/24 09:01	11/26/24 14:38	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 14:38	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/22/24 09:01	11/26/24 14:38	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/22/24 09:01	11/26/24 14:38	1
Caprolactam	ND		5.0	3.8	ug/L		11/22/24 09:01	11/26/24 14:38	1
Carbazole	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 14:38	1
Chrysene	ND		0.20	0.066	ug/L		11/22/24 09:01	11/26/24 14:38	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 14:38	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-3-20241120

Lab Sample ID: 240-215415-1

Date Collected: 11/20/24 11:27

Matrix: Water

Date Received: 11/21/24 08:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 14:38	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/22/24 09:01	11/26/24 14:38	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/22/24 09:01	11/26/24 14:38	1
Di-n-butyl phthalate	4.0	J	5.0	1.8	ug/L		11/22/24 09:01	11/26/24 14:38	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/22/24 09:01	11/26/24 14:38	1
Fluoranthene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 14:38	1
Fluorene	ND		0.20	0.079	ug/L		11/22/24 09:01	11/26/24 14:38	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 14:38	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/22/24 09:01	11/26/24 14:38	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/22/24 09:01	11/26/24 14:38	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 14:38	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 14:38	1
Isophorone	ND		1.0	0.32	ug/L		11/22/24 09:01	11/26/24 14:38	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/22/24 09:01	11/26/24 14:38	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/22/24 09:01	11/26/24 14:38	1
Naphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 14:38	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/22/24 09:01	11/26/24 14:38	1
Pentachlorophenol	ND		10	3.1	ug/L		11/22/24 09:01	11/26/24 14:38	1
Phenanthrene	0.14	J	0.20	0.080	ug/L		11/22/24 09:01	11/26/24 14:38	1
Phenol	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 14:38	1
Pyrene	0.16	J	0.20	0.083	ug/L		11/22/24 09:01	11/26/24 14:38	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/22/24 09:01	11/26/24 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	74		43 - 136	11/22/24 09:01	11/26/24 14:38	1
Phenol-d5 (Surr)	55		10 - 120	11/22/24 09:01	11/26/24 14:38	1
Nitrobenzene-d5 (Surr)	61		40 - 120	11/22/24 09:01	11/26/24 14:38	1
2-Fluorophenol (Surr)	56		10 - 127	11/22/24 09:01	11/26/24 14:38	1
2-Fluorobiphenyl (Surr)	64		41 - 120	11/22/24 09:01	11/26/24 14:38	1
2,4,6-Tribromophenol (Surr)	66		23 - 127	11/22/24 09:01	11/26/24 14:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.10	0.056	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/25/24 09:27	11/26/24 15:21	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/25/24 09:27	11/26/24 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	54		10 - 149	11/25/24 09:27	11/26/24 15:21	1
DCB Decachlorobiphenyl	44		10 - 174	11/25/24 09:27	11/26/24 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13	J	15	4.1	ug/L		11/22/24 14:00	11/25/24 09:14	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-3-20241120

Lab Sample ID: 240-215415-1

Date Collected: 11/20/24 11:27

Matrix: Water

Date Received: 11/21/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	34	J	200	1.3	ug/L		11/22/24 14:00	11/25/24 09:14	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/25/24 09:14	1
Chromium	2.7	J	10	0.76	ug/L		11/22/24 14:00	11/25/24 09:14	1
Copper	25		25	3.5	ug/L		11/22/24 14:00	11/25/24 09:14	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/25/24 09:14	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/25/24 09:14	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/25/24 09:14	1
Zinc	310		50	23	ug/L		11/22/24 14:00	11/25/24 09:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13	J	15	4.1	ug/L		11/22/24 14:00	11/25/24 16:54	1
Barium	36	J	200	1.3	ug/L		11/22/24 14:00	11/25/24 16:54	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/25/24 16:54	1
Chromium	1.3	J	10	0.76	ug/L		11/22/24 14:00	11/25/24 16:54	1
Copper	18	J	25	3.5	ug/L		11/22/24 14:00	11/25/24 16:54	1
Lead	2.9	J	10	2.8	ug/L		11/22/24 14:00	11/25/24 16:54	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/25/24 16:54	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/25/24 16:54	1
Zinc	160		50	23	ug/L		11/22/24 14:00	11/25/24 16:54	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		11/22/24 14:00	11/25/24 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/22/24 14:00	11/25/24 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.84		0.050	0.030	mg/L		11/21/24 09:54	11/21/24 12:36	5
Cyanide, Free (OI CORP OIA-1677)	1.3		0.060	0.050	mg/L			12/04/24 16:29	10

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.20	0.070	mg/L			11/21/24 07:43	10

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-5-20241120

Lab Sample ID: 240-215415-2

Date Collected: 11/20/24 10:00

Matrix: Water

Date Received: 11/21/24 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250	120	ug/L			11/25/24 18:51	250
1,1,2,2-Tetrachloroethane	ND		250	150	ug/L			11/25/24 18:51	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	100	ug/L			11/25/24 18:51	250
1,1,2-Trichloroethane	ND		250	120	ug/L			11/25/24 18:51	250
1,1-Dichloroethane	ND		250	120	ug/L			11/25/24 18:51	250
1,1-Dichloroethene	ND		250	120	ug/L			11/25/24 18:51	250
1,2,4-Trichlorobenzene	ND		250	190	ug/L			11/25/24 18:51	250
1,2-Dibromo-3-Chloropropane	ND		500	230	ug/L			11/25/24 18:51	250
Ethylene Dibromide	ND		250	100	ug/L			11/25/24 18:51	250
1,2-Dichlorobenzene	ND		250	120	ug/L			11/25/24 18:51	250
1,2-Dichloroethane	ND		250	110	ug/L			11/25/24 18:51	250
1,2-Dichloropropane	ND		250	120	ug/L			11/25/24 18:51	250
1,3-Dichlorobenzene	ND		250	110	ug/L			11/25/24 18:51	250
1,4-Dichlorobenzene	ND		250	100	ug/L			11/25/24 18:51	250
2-Butanone (MEK)	ND		2500	290	ug/L			11/25/24 18:51	250
2-Hexanone	ND		2500	280	ug/L			11/25/24 18:51	250
4-Methyl-2-pentanone (MIBK)	ND		2500	250	ug/L			11/25/24 18:51	250
Acetone	ND		2500	1400	ug/L			11/25/24 18:51	250
Benzene	ND		250	110	ug/L			11/25/24 18:51	250
Dichlorobromomethane	ND		250	94	ug/L			11/25/24 18:51	250
Bromoform	ND		250	190	ug/L			11/25/24 18:51	250
Bromomethane	ND	*+	250	110	ug/L			11/25/24 18:51	250
Carbon disulfide	ND		250	150	ug/L			11/25/24 18:51	250
Carbon tetrachloride	ND		250	65	ug/L			11/25/24 18:51	250
Chlorobenzene	ND		250	95	ug/L			11/25/24 18:51	250
Chloroethane	ND		250	210	ug/L			11/25/24 18:51	250
Chloroform	ND		250	120	ug/L			11/25/24 18:51	250
Chloromethane	ND		250	160	ug/L			11/25/24 18:51	250
cis-1,2-Dichloroethene	ND		250	120	ug/L			11/25/24 18:51	250
cis-1,3-Dichloropropene	ND		250	150	ug/L			11/25/24 18:51	250
Cyclohexane	ND		250	120	ug/L			11/25/24 18:51	250
Chlorodibromomethane	ND		250	98	ug/L			11/25/24 18:51	250
Dichlorodifluoromethane	ND		250	88	ug/L			11/25/24 18:51	250
Ethylbenzene	ND		250	110	ug/L			11/25/24 18:51	250
Isopropylbenzene	ND		250	120	ug/L			11/25/24 18:51	250
Methyl acetate	ND		2500	430	ug/L			11/25/24 18:51	250
Methyl tert-butyl ether	ND		250	120	ug/L			11/25/24 18:51	250
Methylcyclohexane	ND		250	83	ug/L			11/25/24 18:51	250
Methylene Chloride	ND		1300	660	ug/L			11/25/24 18:51	250
Styrene	ND		250	110	ug/L			11/25/24 18:51	250
Tetrachloroethene	ND		250	110	ug/L			11/25/24 18:51	250
Toluene	ND		250	110	ug/L			11/25/24 18:51	250
trans-1,2-Dichloroethene	ND		250	130	ug/L			11/25/24 18:51	250
trans-1,3-Dichloropropene	ND		250	170	ug/L			11/25/24 18:51	250
Trichloroethene	9600		250	110	ug/L			11/25/24 18:51	250
Trichlorofluoromethane	ND	*+	250	110	ug/L			11/25/24 18:51	250
Vinyl chloride	ND		250	110	ug/L			11/25/24 18:51	250
Xylenes, Total	ND		500	110	ug/L			11/25/24 18:51	250

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-5-20241120

Lab Sample ID: 240-215415-2

Date Collected: 11/20/24 10:00

Matrix: Water

Date Received: 11/21/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		78 - 122		11/25/24 18:51	250
Dibromofluoromethane (Surr)	110		73 - 120		11/25/24 18:51	250
4-Bromofluorobenzene (Surr)	77		56 - 136		11/25/24 18:51	250
1,2-Dichloroethane-d4 (Surr)	125		62 - 137		11/25/24 18:51	250

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.1	0.53	ug/L		11/22/24 09:01	11/26/24 15:01	1
bis (2-chloroisopropyl) ether	ND		1.1	0.26	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,4,5-Trichlorophenol	ND		5.4	2.2	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,4,6-Trichlorophenol	ND		5.4	2.0	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,4-Dichlorophenol	ND		2.2	0.28	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,4-Dimethylphenol	ND		2.2	0.27	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,4-Dinitrophenol	ND		11	2.8	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,4-Dinitrotoluene	ND		5.4	2.3	ug/L		11/22/24 09:01	11/26/24 15:01	1
2,6-Dinitrotoluene	ND		5.4	1.1	ug/L		11/22/24 09:01	11/26/24 15:01	1
2-Chloronaphthalene	ND		1.1	0.25	ug/L		11/22/24 09:01	11/26/24 15:01	1
2-Chlorophenol	ND		1.1	0.30	ug/L		11/22/24 09:01	11/26/24 15:01	1
2-Methylnaphthalene	ND		0.22	0.12	ug/L		11/22/24 09:01	11/26/24 15:01	1
2-Methylphenol	ND		1.1	0.23	ug/L		11/22/24 09:01	11/26/24 15:01	1
2-Nitroaniline	ND		2.2	0.55	ug/L		11/22/24 09:01	11/26/24 15:01	1
2-Nitrophenol	ND		2.2	0.61	ug/L		11/22/24 09:01	11/26/24 15:01	1
3,3'-Dichlorobenzidine	ND		5.4	1.3	ug/L		11/22/24 09:01	11/26/24 15:01	1
3-Nitroaniline	ND		2.2	0.62	ug/L		11/22/24 09:01	11/26/24 15:01	1
4,6-Dinitro-2-methylphenol	ND		5.4	3.1	ug/L		11/22/24 09:01	11/26/24 15:01	1
4-Bromophenyl phenyl ether	ND		2.2	0.54	ug/L		11/22/24 09:01	11/26/24 15:01	1
4-Chloro-3-methylphenol	ND		2.2	0.32	ug/L		11/22/24 09:01	11/26/24 15:01	1
4-Chloroaniline	ND		2.2	0.34	ug/L		11/22/24 09:01	11/26/24 15:01	1
4-Chlorophenyl phenyl ether	ND		2.2	0.60	ug/L		11/22/24 09:01	11/26/24 15:01	1
4-Nitroaniline	ND		2.2	0.36	ug/L		11/22/24 09:01	11/26/24 15:01	1
4-Nitrophenol	ND		11	2.4	ug/L		11/22/24 09:01	11/26/24 15:01	1
Acenaphthene	ND		0.22	0.19	ug/L		11/22/24 09:01	11/26/24 15:01	1
Acenaphthylene	ND		0.22	0.14	ug/L		11/22/24 09:01	11/26/24 15:01	1
Acetophenone	ND		1.1	0.40	ug/L		11/22/24 09:01	11/26/24 15:01	1
Anthracene	ND		0.22	0.15	ug/L		11/22/24 09:01	11/26/24 15:01	1
Atrazine	ND		2.2	1.0	ug/L		11/22/24 09:01	11/26/24 15:01	1
Benzaldehyde	ND		2.2	0.83	ug/L		11/22/24 09:01	11/26/24 15:01	1
Benzo[a]anthracene	ND		0.22	0.074	ug/L		11/22/24 09:01	11/26/24 15:01	1
Benzo[a]pyrene	ND		0.22	0.19	ug/L		11/22/24 09:01	11/26/24 15:01	1
Benzo[b]fluoranthene	ND		0.22	0.17	ug/L		11/22/24 09:01	11/26/24 15:01	1
Benzo[g,h,i]perylene	ND		0.22	0.19	ug/L		11/22/24 09:01	11/26/24 15:01	1
Benzo[k]fluoranthene	ND		0.22	0.15	ug/L		11/22/24 09:01	11/26/24 15:01	1
Bis(2-chloroethoxy)methane	ND		1.1	0.24	ug/L		11/22/24 09:01	11/26/24 15:01	1
Bis(2-chloroethyl)ether	ND		1.1	0.44	ug/L		11/22/24 09:01	11/26/24 15:01	1
Bis(2-ethylhexyl) phthalate	ND		5.4	2.4	ug/L		11/22/24 09:01	11/26/24 15:01	1
Butyl benzyl phthalate	ND		2.2	0.72	ug/L		11/22/24 09:01	11/26/24 15:01	1
Caprolactam	ND		5.4	4.2	ug/L		11/22/24 09:01	11/26/24 15:01	1
Carbazole	ND		1.1	0.53	ug/L		11/22/24 09:01	11/26/24 15:01	1
Chrysene	ND		0.22	0.072	ug/L		11/22/24 09:01	11/26/24 15:01	1
Dibenz(a,h)anthracene	ND		0.22	0.16	ug/L		11/22/24 09:01	11/26/24 15:01	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-5-20241120

Lab Sample ID: 240-215415-2

Date Collected: 11/20/24 10:00

Matrix: Water

Date Received: 11/21/24 08:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.1	0.29	ug/L		11/22/24 09:01	11/26/24 15:01	1
Diethyl phthalate	ND		5.4	0.44	ug/L		11/22/24 09:01	11/26/24 15:01	1
Dimethyl phthalate	ND		2.2	0.56	ug/L		11/22/24 09:01	11/26/24 15:01	1
Di-n-butyl phthalate	ND		5.4	2.0	ug/L		11/22/24 09:01	11/26/24 15:01	1
Di-n-octyl phthalate	ND		2.2	0.89	ug/L		11/22/24 09:01	11/26/24 15:01	1
Fluoranthene	ND		0.22	0.17	ug/L		11/22/24 09:01	11/26/24 15:01	1
Fluorene	ND		0.22	0.086	ug/L		11/22/24 09:01	11/26/24 15:01	1
Hexachlorobenzene	ND		0.22	0.18	ug/L		11/22/24 09:01	11/26/24 15:01	1
Hexachlorobutadiene	ND		1.1	0.59	ug/L		11/22/24 09:01	11/26/24 15:01	1
Hexachlorocyclopentadiene	ND		11	1.9	ug/L		11/22/24 09:01	11/26/24 15:01	1
Hexachloroethane	ND		1.1	0.43	ug/L		11/22/24 09:01	11/26/24 15:01	1
Indeno[1,2,3-cd]pyrene	ND		0.22	0.15	ug/L		11/22/24 09:01	11/26/24 15:01	1
Isophorone	ND		1.1	0.35	ug/L		11/22/24 09:01	11/26/24 15:01	1
N-Nitrosodi-n-propylamine	ND		1.1	0.28	ug/L		11/22/24 09:01	11/26/24 15:01	1
N-Nitrosodiphenylamine	ND		1.1	0.48	ug/L		11/22/24 09:01	11/26/24 15:01	1
Naphthalene	0.12	J	0.22	0.12	ug/L		11/22/24 09:01	11/26/24 15:01	1
Nitrobenzene	ND		1.1	0.56	ug/L		11/22/24 09:01	11/26/24 15:01	1
Pentachlorophenol	ND		11	3.4	ug/L		11/22/24 09:01	11/26/24 15:01	1
Phenanthrene	ND		0.22	0.087	ug/L		11/22/24 09:01	11/26/24 15:01	1
Phenol	ND		1.1	0.44	ug/L		11/22/24 09:01	11/26/24 15:01	1
Pyrene	ND		0.22	0.090	ug/L		11/22/24 09:01	11/26/24 15:01	1
3 & 4 Methylphenol	ND		2.2	0.21	ug/L		11/22/24 09:01	11/26/24 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	88		43 - 136	11/22/24 09:01	11/26/24 15:01	1
Phenol-d5 (Surr)	90		10 - 120	11/22/24 09:01	11/26/24 15:01	1
Nitrobenzene-d5 (Surr)	76		40 - 120	11/22/24 09:01	11/26/24 15:01	1
2-Fluorophenol (Surr)	69		10 - 127	11/22/24 09:01	11/26/24 15:01	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/22/24 09:01	11/26/24 15:01	1
2,4,6-Tribromophenol (Surr)	85		23 - 127	11/22/24 09:01	11/26/24 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/25/24 09:27	11/26/24 15:35	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/25/24 09:27	11/26/24 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	58		10 - 149	11/25/24 09:27	11/26/24 15:35	1
DCB Decachlorobiphenyl	39		10 - 174	11/25/24 09:27	11/26/24 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6	J	15	4.1	ug/L		11/22/24 14:00	11/25/24 16:58	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215415-1

Client Sample ID: MW-5-20241120

Lab Sample ID: 240-215415-2

Date Collected: 11/20/24 10:00

Matrix: Water

Date Received: 11/21/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	65	J	200	1.3	ug/L		11/22/24 14:00	11/25/24 16:58	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/25/24 16:58	1
Chromium	2.8	J	10	0.76	ug/L		11/22/24 14:00	11/25/24 16:58	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/25/24 16:58	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/25/24 16:58	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/25/24 16:58	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/25/24 16:58	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/25/24 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.1	J	15	4.1	ug/L		11/22/24 14:00	11/25/24 17:03	1
Barium	63	J	200	1.3	ug/L		11/22/24 14:00	11/25/24 17:03	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/25/24 17:03	1
Chromium	2.9	J	10	0.76	ug/L		11/22/24 14:00	11/25/24 17:03	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/25/24 17:03	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/25/24 17:03	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/25/24 17:03	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/25/24 17:03	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/25/24 17:03	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		11/22/24 14:00	11/25/24 15:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/22/24 14:00	11/25/24 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0079	J	0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:58	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/04/24 13:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/21/24 07:43	1

Surrogate Summary

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

Job ID: 240-215415-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-215415-1	MW-3-20241120	95	114	84	128
240-215415-2	MW-5-20241120	92	110	77	125
LCS 240-636590/4	Lab Control Sample	94	96	95	106
MB 240-636590/7	Method Blank	91	103	81	114

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-215415-1	MW-3-20241120	74	55	61	56	64	66
240-215415-2	MW-5-20241120	88	90	76	69	77	85
LCS 240-636339/2-A	Lab Control Sample	80	77	87	119	78	86
MB 240-636339/1-A	Method Blank	89	66	75	74	77	68

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (10-149)	DCBP1 (10-174)
240-215415-1	MW-3-20241120	54	44
240-215415-2	MW-5-20241120	58	39
LCS 240-636602/2-A	Lab Control Sample	65	55
MB 240-636602/1-A	Method Blank	51	53

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-215415-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636590/7

Matrix: Water

Analysis Batch: 636590

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 11:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 11:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 11:31	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 11:31	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 11:31	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 11:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 11:31	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 11:31	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 11:31	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 11:31	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 11:31	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 11:31	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 11:31	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 11:31	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 11:31	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 11:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 11:31	1
Acetone	ND		10	5.4	ug/L			11/25/24 11:31	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 11:31	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 11:31	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 11:31	1
Bromomethane	ND		1.0	0.42	ug/L			11/25/24 11:31	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 11:31	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 11:31	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 11:31	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 11:31	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 11:31	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 11:31	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/25/24 11:31	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 11:31	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 11:31	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 11:31	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 11:31	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 11:31	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 11:31	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 11:31	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 11:31	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 11:31	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 11:31	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 11:31	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 11:31	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 11:31	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 11:31	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 11:31	1
Trichloroethene	ND		1.0	0.44	ug/L			11/25/24 11:31	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/25/24 11:31	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/25/24 11:31	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 11:31	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636590/7

Matrix: Water

Analysis Batch: 636590

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	91		78 - 122		11/25/24 11:31	1
Dibromofluoromethane (Surr)	103		73 - 120		11/25/24 11:31	1
4-Bromofluorobenzene (Surr)	81		56 - 136		11/25/24 11:31	1
1,2-Dichloroethane-d4 (Surr)	114		62 - 137		11/25/24 11:31	1

Lab Sample ID: LCS 240-636590/4

Matrix: Water

Analysis Batch: 636590

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	25.1		ug/L		100	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	32.3		ug/L		129	51 - 146
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	70 - 138
1,1-Dichloroethane	25.0	30.4		ug/L		122	72 - 127
1,1-Dichloroethene	25.0	27.3		ug/L		109	63 - 134
1,2,4-Trichlorobenzene	25.0	20.8		ug/L		83	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	16.8		ug/L		67	53 - 135
Ethylene Dibromide	25.0	25.6		ug/L		102	71 - 134
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	78 - 120
1,2-Dichloroethane	25.0	28.7		ug/L		115	66 - 128
1,2-Dichloropropane	25.0	26.5		ug/L		106	75 - 133
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	50.0	49.5		ug/L		99	54 - 156
2-Hexanone	50.0	50.0		ug/L		100	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	48.9		ug/L		98	46 - 158
Acetone	50.0	54.6		ug/L		109	50 - 149
Benzene	25.0	28.6		ug/L		114	77 - 123
Dichlorobromomethane	25.0	26.0		ug/L		104	69 - 126
Bromoform	25.0	24.4		ug/L		98	57 - 129
Bromomethane	12.5	18.4	*+	ug/L		147	36 - 142
Carbon disulfide	25.0	28.2		ug/L		113	43 - 140
Carbon tetrachloride	25.0	26.9		ug/L		108	55 - 137
Chlorobenzene	25.0	28.1		ug/L		112	80 - 121
Chloroethane	12.5	16.3		ug/L		130	38 - 152
Chloroform	25.0	27.4		ug/L		110	74 - 122
Chloromethane	12.5	12.2		ug/L		98	47 - 143
cis-1,2-Dichloroethene	25.0	26.6		ug/L		107	77 - 123
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	64 - 130
Cyclohexane	25.0	27.1		ug/L		108	58 - 146
Chlorodibromomethane	25.0	25.0		ug/L		100	70 - 124
Dichlorodifluoromethane	12.5	9.40		ug/L		75	34 - 153
Ethylbenzene	25.0	26.7		ug/L		107	80 - 121
Isopropylbenzene	25.0	27.6		ug/L		110	74 - 128
Methyl acetate	50.0	48.6		ug/L		97	42 - 169
Methyl tert-butyl ether	25.0	28.1		ug/L		113	65 - 126
Methylcyclohexane	25.0	22.9		ug/L		92	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636590/4

Matrix: Water

Analysis Batch: 636590

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	28.5		ug/L		114	71 - 125
Styrene	25.0	27.6		ug/L		110	80 - 135
Tetrachloroethene	25.0	26.9		ug/L		108	76 - 123
Toluene	25.0	24.9		ug/L		100	80 - 123
trans-1,2-Dichloroethene	25.0	28.3		ug/L		113	75 - 124
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	57 - 129
Trichloroethene	25.0	24.7		ug/L		99	70 - 122
Trichlorofluoromethane	12.5	21.4	*+	ug/L		172	30 - 170
Vinyl chloride	12.5	13.3		ug/L		107	60 - 144
Xylenes, Total	50.0	53.7		ug/L		107	80 - 121
m-Xylene & p-Xylene	25.0	27.3		ug/L		109	80 - 120
o-Xylene	25.0	26.4		ug/L		105	80 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120
4-Bromofluorobenzene (Surr)	95		56 - 136
1,2-Dichloroethane-d4 (Surr)	106		62 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636339/1-A

Matrix: Water

Analysis Batch: 636761

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636339

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 09:42	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/22/24 09:01	11/26/24 09:42	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/22/24 09:01	11/26/24 09:42	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/22/24 09:01	11/26/24 09:42	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636339/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636761

Prep Batch: 636339

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Nitrophenol	ND		10	2.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acenaphthene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acetophenone	ND		1.0	0.37	ug/L		11/22/24 09:01	11/26/24 09:42	1
Anthracene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Atrazine	ND		2.0	0.95	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/22/24 09:01	11/26/24 09:42	1
Caprolactam	ND		5.0	3.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Carbazole	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 09:42	1
Chrysene	ND		0.20	0.066	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 09:42	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/22/24 09:01	11/26/24 09:42	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/22/24 09:01	11/26/24 09:42	1
Fluoranthene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 09:42	1
Fluorene	ND		0.20	0.079	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Isophorone	ND		1.0	0.32	ug/L		11/22/24 09:01	11/26/24 09:42	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/22/24 09:01	11/26/24 09:42	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/22/24 09:01	11/26/24 09:42	1
Naphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 09:42	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/22/24 09:01	11/26/24 09:42	1
Pentachlorophenol	ND		10	3.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
Phenanthrene	ND		0.20	0.080	ug/L		11/22/24 09:01	11/26/24 09:42	1
Phenol	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Pyrene	ND		0.20	0.083	ug/L		11/22/24 09:01	11/26/24 09:42	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/22/24 09:01	11/26/24 09:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	89		43 - 136	11/22/24 09:01	11/26/24 09:42	1
Phenol-d5 (Surr)	66		10 - 120	11/22/24 09:01	11/26/24 09:42	1
Nitrobenzene-d5 (Surr)	75		40 - 120	11/22/24 09:01	11/26/24 09:42	1
2-Fluorophenol (Surr)	74		10 - 127	11/22/24 09:01	11/26/24 09:42	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636339/1-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636339

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	77		41 - 120	11/22/24 09:01	11/26/24 09:42	1
2,4,6-Tribromophenol (Surr)	68		23 - 127	11/22/24 09:01	11/26/24 09:42	1

Lab Sample ID: LCS 240-636339/2-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	32.0	23.9		ug/L		75	48 - 120
bis (2-chloroisopropyl) ether	32.0	30.5		ug/L		95	34 - 126
2,4,5-Trichlorophenol	32.0	26.9		ug/L		84	51 - 129
2,4,6-Trichlorophenol	32.0	26.3		ug/L		82	51 - 128
2,4-Dichlorophenol	32.0	26.9		ug/L		84	57 - 122
2,4-Dimethylphenol	32.0	30.9		ug/L		97	33 - 120
2,4-Dinitrophenol	64.0	44.4		ug/L		69	27 - 126
2,4-Dinitrotoluene	32.0	27.5		ug/L		86	55 - 131
2,6-Dinitrotoluene	32.0	27.0		ug/L		84	54 - 134
2-Chloronaphthalene	32.0	24.8		ug/L		78	50 - 120
2-Chlorophenol	32.0	29.9		ug/L		93	57 - 120
2-Methylnaphthalene	32.0	22.2		ug/L		69	47 - 120
2-Methylphenol	32.0	28.0		ug/L		87	47 - 120
2-Nitroaniline	32.0	27.9		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.1		ug/L		81	53 - 127
3,3'-Dichlorobenzidine	64.0	52.8		ug/L		83	39 - 150
3-Nitroaniline	32.0	25.9		ug/L		81	13 - 156
4,6-Dinitro-2-methylphenol	64.0	54.8		ug/L		86	45 - 130
4-Bromophenyl phenyl ether	32.0	28.1		ug/L		88	51 - 129
4-Chloro-3-methylphenol	32.0	26.4		ug/L		82	57 - 126
4-Chloroaniline	32.0	5.13		ug/L		16	10 - 120
4-Chlorophenyl phenyl ether	32.0	25.7		ug/L		80	52 - 122
4-Nitroaniline	32.0	32.1		ug/L		100	44 - 156
4-Nitrophenol	64.0	40.1		ug/L		63	14 - 120
Acenaphthene	32.0	24.5		ug/L		76	50 - 120
Acenaphthylene	32.0	27.4		ug/L		86	49 - 120
Acetophenone	32.0	25.1		ug/L		79	52 - 120
Anthracene	32.0	28.8		ug/L		90	55 - 124
Atrazine	32.0	32.7		ug/L		102	50 - 152
Benzaldehyde	32.0	33.9		ug/L		106	36 - 168
Benzo[a]anthracene	32.0	28.0		ug/L		88	55 - 130
Benzo[a]pyrene	32.0	28.9		ug/L		90	51 - 123
Benzo[b]fluoranthene	32.0	29.5		ug/L		92	51 - 130
Benzo[g,h,i]perylene	32.0	30.1		ug/L		94	55 - 135
Benzo[k]fluoranthene	32.0	28.4		ug/L		89	53 - 130
Bis(2-chloroethoxy)methane	32.0	26.4		ug/L		83	50 - 121
Bis(2-chloroethyl)ether	32.0	24.2		ug/L		76	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	27.2		ug/L		85	45 - 142
Butyl benzyl phthalate	32.0	26.0		ug/L		81	48 - 140
Caprolactam	32.0	6.23		ug/L		19	10 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636339/2-A

Matrix: Water

Analysis Batch: 636761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbazole	32.0	29.2		ug/L		91	56 - 135
Chrysene	32.0	26.0		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	28.5		ug/L		89	57 - 132
Dibenzofuran	32.0	24.4		ug/L		76	52 - 120
Diethyl phthalate	32.0	26.7		ug/L		83	51 - 127
Dimethyl phthalate	32.0	26.9		ug/L		84	40 - 136
Di-n-butyl phthalate	32.0	30.2		ug/L		94	56 - 138
Di-n-octyl phthalate	32.0	27.4		ug/L		86	45 - 135
Fluoranthene	32.0	29.6		ug/L		93	56 - 135
Fluorene	32.0	24.6		ug/L		77	52 - 124
Hexachlorobenzene	32.0	27.6		ug/L		86	49 - 127
Hexachlorobutadiene	32.0	22.2		ug/L		69	36 - 120
Hexachlorocyclopentadiene	32.0	29.2		ug/L		91	10 - 120
Hexachloroethane	32.0	22.8		ug/L		71	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	28.8		ug/L		90	55 - 134
Isophorone	32.0	28.2		ug/L		88	50 - 127
N-Nitrosodi-n-propylamine	32.0	27.8		ug/L		87	49 - 128
N-Nitrosodiphenylamine	32.0	27.2		ug/L		85	53 - 127
Naphthalene	32.0	22.8		ug/L		71	46 - 120
Nitrobenzene	32.0	27.5		ug/L		86	50 - 123
Pentachlorophenol	64.0	50.3		ug/L		79	24 - 124
Phenanthrene	32.0	26.3		ug/L		82	54 - 120
Phenol	32.0	24.1		ug/L		75	10 - 120
Pyrene	32.0	26.7		ug/L		83	53 - 135
3 & 4 Methylphenol	32.0	25.7		ug/L		80	41 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	80		43 - 136
Phenol-d5 (Surr)	77		10 - 120
Nitrobenzene-d5 (Surr)	87		40 - 120
2-Fluorophenol (Surr)	119		10 - 127
2-Fluorobiphenyl (Surr)	78		41 - 120
2,4,6-Tribromophenol (Surr)	86		23 - 127

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

Lab Sample ID: MB 240-636602/1-A

Matrix: Water

Analysis Batch: 636838

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636602

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	ND		0.10	0.056	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/25/24 09:27	11/26/24 14:54	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

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

Lab Sample ID: MB 240-636602/1-A
Matrix: Water
Analysis Batch: 636838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636602

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1268	ND		0.10	0.062	ug/L		11/25/24 09:27	11/26/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	51		10 - 149				11/25/24 09:27	11/26/24 14:54	1
DCB Decachlorobiphenyl	53		10 - 174				11/25/24 09:27	11/26/24 14:54	1

Lab Sample ID: LCS 240-636602/2-A
Matrix: Water
Analysis Batch: 636838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636602

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.96		ug/L		78	28 - 140
Aroclor-1260	2.50	2.00		ug/L		80	39 - 153
Surrogate	%Recovery	Qualifier	Limits				
Tetrachloro-m-xylene	65		10 - 149				
DCB Decachlorobiphenyl	55		10 - 174				

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-636387/1-A
Matrix: Water
Analysis Batch: 636691

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636387

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/22/24 14:00	11/25/24 08:51	1
Barium	ND		200	1.3	ug/L		11/22/24 14:00	11/25/24 08:51	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/25/24 08:51	1
Chromium	ND		10	0.76	ug/L		11/22/24 14:00	11/25/24 08:51	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/25/24 08:51	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/25/24 08:51	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/25/24 08:51	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/25/24 08:51	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/25/24 08:51	1

Lab Sample ID: LCS 240-636387/2-A
Matrix: Water
Analysis Batch: 636691

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636387

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	2000	2030		ug/L		101	80 - 120
Barium	2000	1770		ug/L		88	80 - 120
Cadmium	1000	973		ug/L		97	80 - 120
Chromium	1000	995		ug/L		100	80 - 120
Copper	1000	991		ug/L		99	80 - 120
Lead	1000	949		ug/L		95	80 - 120
Selenium	2000	2080		ug/L		104	80 - 120
Silver	100	100		ug/L		100	80 - 120
Zinc	1000	983		ug/L		98	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215415-1

Method: 6010D - Metals (ICP)

Lab Sample ID: 240-215415-1 MS
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-3-20241120
Prep Type: Total Recoverable
Prep Batch: 636387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	13	J	2000	2080		ug/L		103	75 - 125
Barium	34	J	2000	1800		ug/L		88	75 - 125
Cadmium	ND		1000	988		ug/L		99	75 - 125
Chromium	2.7	J	1000	990		ug/L		99	75 - 125
Copper	25		1000	1030		ug/L		100	75 - 125
Lead	ND		1000	942		ug/L		94	75 - 125
Selenium	ND		2000	2110		ug/L		105	75 - 125
Silver	ND		100	103		ug/L		103	75 - 125
Zinc	310		1000	1320		ug/L		101	75 - 125

Lab Sample ID: 240-215415-1 MSD
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-3-20241120
Prep Type: Total Recoverable
Prep Batch: 636387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	13	J	2000	1810		ug/L		90	75 - 125	14	20
Barium	34	J	2000	1530		ug/L		75	75 - 125	16	20
Cadmium	ND		1000	857		ug/L		86	75 - 125	14	20
Chromium	2.7	J	1000	847		ug/L		84	75 - 125	15	20
Copper	25		1000	878		ug/L		85	75 - 125	16	20
Lead	ND		1000	822		ug/L		82	75 - 125	14	20
Selenium	ND		2000	1860		ug/L		93	75 - 125	12	20
Silver	ND		100	91.8		ug/L		92	75 - 125	12	20
Zinc	310		1000	1130		ug/L		82	75 - 125	15	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-636389/1-A
Matrix: Water
Analysis Batch: 636727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/22/24 14:00	11/25/24 14:47	1

Lab Sample ID: LCS 240-636389/2-A
Matrix: Water
Analysis Batch: 636727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.98		ug/L		100	80 - 120

Lab Sample ID: 240-215415-1 MS
Matrix: Water
Analysis Batch: 636727

Client Sample ID: MW-3-20241120
Prep Type: Total/NA
Prep Batch: 636389

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		1.00	1.02		ug/L		102	80 - 120

QC Sample Results

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

Job ID: 240-215415-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 240-215415-1 MSD
Matrix: Water
Analysis Batch: 636727

Client Sample ID: MW-3-20241120
Prep Type: Total/NA
Prep Batch: 636389

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.00	1.00		ug/L		100	80 - 120	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-636145/3
Matrix: Water
Analysis Batch: 636145

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			11/21/24 07:43	1

Lab Sample ID: LCS 240-636145/4
Matrix: Water
Analysis Batch: 636145

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	0.280		mg/L		112	85 - 115

Lab Sample ID: 240-215415-1 MS
Matrix: Water
Analysis Batch: 636145

Client Sample ID: MW-3-20241120
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		2.50	2.17		mg/L		87	85 - 115

Lab Sample ID: 240-215415-1 MSD
Matrix: Water
Analysis Batch: 636145

Client Sample ID: MW-3-20241120
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		2.50	2.49		mg/L		100	85 - 115	14	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-636201/1-A
Matrix: Water
Analysis Batch: 636235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/21/24 09:54	11/21/24 11:08	1

Lab Sample ID: LCS 240-636201/2-A
Matrix: Water
Analysis Batch: 636235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.324		mg/L		99	85 - 115

QC Sample Results

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

Job ID: 240-215415-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: MRL 240-636235/10
Matrix: Water
Analysis Batch: 636235

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00880	J	mg/L		88	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-582150/17
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:01	1

Lab Sample ID: MB 410-582150/33
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:41	1

Lab Sample ID: MB 410-582150/49
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 14:21	1

Lab Sample ID: LCS 410-582150/16
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0496		mg/L		99	82 - 132

Lab Sample ID: LCS 410-582150/32
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0520		mg/L		104	82 - 132

Lab Sample ID: LCS 410-582150/48
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0493		mg/L		99	82 - 132

QC Association Summary

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

Job ID: 240-215415-1

GC/MS VOA

Analysis Batch: 636590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	8260D	
240-215415-2	MW-5-20241120	Total/NA	Water	8260D	
MB 240-636590/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636590/4	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 636339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	3510C LVI	
240-215415-2	MW-5-20241120	Total/NA	Water	3510C LVI	
MB 240-636339/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636339/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	8270E	636339
240-215415-2	MW-5-20241120	Total/NA	Water	8270E	636339
MB 240-636339/1-A	Method Blank	Total/NA	Water	8270E	636339
LCS 240-636339/2-A	Lab Control Sample	Total/NA	Water	8270E	636339

GC Semi VOA

Prep Batch: 636602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	3510C	
240-215415-2	MW-5-20241120	Total/NA	Water	3510C	
MB 240-636602/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-636602/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 636838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	8082A	636602
240-215415-2	MW-5-20241120	Total/NA	Water	8082A	636602
MB 240-636602/1-A	Method Blank	Total/NA	Water	8082A	636602
LCS 240-636602/2-A	Lab Control Sample	Total/NA	Water	8082A	636602

Metals

Prep Batch: 636387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Dissolved	Water	3005A	
240-215415-1	MW-3-20241120	Total Recoverable	Water	3005A	
240-215415-2	MW-5-20241120	Dissolved	Water	3005A	
240-215415-2	MW-5-20241120	Total Recoverable	Water	3005A	
MB 240-636387/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-636387/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-215415-1 MS	MW-3-20241120	Total Recoverable	Water	3005A	
240-215415-1 MSD	MW-3-20241120	Total Recoverable	Water	3005A	

QC Association Summary

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

Job ID: 240-215415-1

Metals

Prep Batch: 636389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Dissolved	Water	7470A	
240-215415-1	MW-3-20241120	Total/NA	Water	7470A	
240-215415-2	MW-5-20241120	Dissolved	Water	7470A	
240-215415-2	MW-5-20241120	Total/NA	Water	7470A	
MB 240-636389/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-636389/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-215415-1 MS	MW-3-20241120	Total/NA	Water	7470A	
240-215415-1 MSD	MW-3-20241120	Total/NA	Water	7470A	

Analysis Batch: 636691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Dissolved	Water	6010D	636387
240-215415-1	MW-3-20241120	Total Recoverable	Water	6010D	636387
240-215415-2	MW-5-20241120	Dissolved	Water	6010D	636387
240-215415-2	MW-5-20241120	Total Recoverable	Water	6010D	636387
MB 240-636387/1-A	Method Blank	Total Recoverable	Water	6010D	636387
LCS 240-636387/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636387
240-215415-1 MS	MW-3-20241120	Total Recoverable	Water	6010D	636387
240-215415-1 MSD	MW-3-20241120	Total Recoverable	Water	6010D	636387

Analysis Batch: 636727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Dissolved	Water	7470A	636389
240-215415-1	MW-3-20241120	Total/NA	Water	7470A	636389
240-215415-2	MW-5-20241120	Dissolved	Water	7470A	636389
240-215415-2	MW-5-20241120	Total/NA	Water	7470A	636389
MB 240-636389/1-A	Method Blank	Total/NA	Water	7470A	636389
LCS 240-636389/2-A	Lab Control Sample	Total/NA	Water	7470A	636389
240-215415-1 MS	MW-3-20241120	Total/NA	Water	7470A	636389
240-215415-1 MSD	MW-3-20241120	Total/NA	Water	7470A	636389

General Chemistry

Analysis Batch: 582150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	OIA-1677	
240-215415-2	MW-5-20241120	Total/NA	Water	OIA-1677	
MB 410-582150/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-582150/33	Method Blank	Total/NA	Water	OIA-1677	
MB 410-582150/49	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-582150/16	Lab Control Sample	Total/NA	Water	OIA-1677	
LCS 410-582150/32	Lab Control Sample	Total/NA	Water	OIA-1677	
LCS 410-582150/48	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 636145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Dissolved	Water	7196A	
240-215415-2	MW-5-20241120	Dissolved	Water	7196A	
MB 240-636145/3	Method Blank	Total/NA	Water	7196A	
LCS 240-636145/4	Lab Control Sample	Total/NA	Water	7196A	
240-215415-1 MS	MW-3-20241120	Dissolved	Water	7196A	

QC Association Summary

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

Job ID: 240-215415-1

General Chemistry (Continued)

Analysis Batch: 636145 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1 MSD	MW-3-20241120	Dissolved	Water	7196A	

Prep Batch: 636201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	9012B	
240-215415-2	MW-5-20241120	Total/NA	Water	9012B	
MB 240-636201/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-636201/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 636235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215415-1	MW-3-20241120	Total/NA	Water	9012B	636201
240-215415-2	MW-5-20241120	Total/NA	Water	9012B	636201
MB 240-636201/1-A	Method Blank	Total/NA	Water	9012B	636201
LCS 240-636201/2-A	Lab Control Sample	Total/NA	Water	9012B	636201
MRL 240-636235/10	Lab Control Sample	Total/NA	Water	9012B	



Lab Chronicle

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

Job ID: 240-215415-1

Client Sample ID: MW-3-20241120

Lab Sample ID: 240-215415-1

Date Collected: 11/20/24 11:27

Matrix: Water

Date Received: 11/21/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636590	LEE	EET CLE	11/25/24 18:31
Total/NA	Prep	3510C LVI			636339	GBS	EET CLE	11/22/24 09:01
Total/NA	Analysis	8270E		1	636761	MRU	EET CLE	11/26/24 14:38
Total/NA	Prep	3510C			636602	CR2J	EET CLE	11/25/24 09:27
Total/NA	Analysis	8082A		1	636838	LSH	EET CLE	11/26/24 15:21
Dissolved	Prep	3005A			636387	XWS6	EET CLE	11/22/24 14:00
Dissolved	Analysis	6010D		1	636691	RKT	EET CLE	11/25/24 16:54
Total Recoverable	Prep	3005A			636387	XWS6	EET CLE	11/22/24 14:00
Total Recoverable	Analysis	6010D		1	636691	RKT	EET CLE	11/25/24 09:14
Dissolved	Prep	7470A			636389	XWS6	EET CLE	11/22/24 14:00
Dissolved	Analysis	7470A		1	636727	TQ6W	EET CLE	11/25/24 15:26
Total/NA	Prep	7470A			636389	XWS6	EET CLE	11/22/24 14:00
Total/NA	Analysis	7470A		1	636727	TQ6W	EET CLE	11/25/24 14:53
Dissolved	Analysis	7196A		10	636145	AJ	EET CLE	11/21/24 07:43
Total/NA	Prep	9012B			636201	C5SV	EET CLE	11/21/24 09:54
Total/NA	Analysis	9012B		5	636235	C5SV	EET CLE	11/21/24 12:36
Total/NA	Analysis	OIA-1677		10	582150	UJE2	ELLE	12/04/24 16:29

Client Sample ID: MW-5-20241120

Lab Sample ID: 240-215415-2

Date Collected: 11/20/24 10:00

Matrix: Water

Date Received: 11/21/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		250	636590	LEE	EET CLE	11/25/24 18:51
Total/NA	Prep	3510C LVI			636339	GBS	EET CLE	11/22/24 09:01
Total/NA	Analysis	8270E		1	636761	MRU	EET CLE	11/26/24 15:01
Total/NA	Prep	3510C			636602	CR2J	EET CLE	11/25/24 09:27
Total/NA	Analysis	8082A		1	636838	LSH	EET CLE	11/26/24 15:35
Dissolved	Prep	3005A			636387	XWS6	EET CLE	11/22/24 14:00
Dissolved	Analysis	6010D		1	636691	RKT	EET CLE	11/25/24 17:03
Total Recoverable	Prep	3005A			636387	XWS6	EET CLE	11/22/24 14:00
Total Recoverable	Analysis	6010D		1	636691	RKT	EET CLE	11/25/24 16:58
Dissolved	Prep	7470A			636389	XWS6	EET CLE	11/22/24 14:00
Dissolved	Analysis	7470A		1	636727	TQ6W	EET CLE	11/25/24 15:33
Total/NA	Prep	7470A			636389	XWS6	EET CLE	11/22/24 14:00
Total/NA	Analysis	7470A		1	636727	TQ6W	EET CLE	11/25/24 15:28
Dissolved	Analysis	7196A		1	636145	AJ	EET CLE	11/21/24 07:43
Total/NA	Prep	9012B			636201	C5SV	EET CLE	11/21/24 09:54
Total/NA	Analysis	9012B		1	636235	C5SV	EET CLE	11/21/24 11:58
Total/NA	Analysis	OIA-1677		1	582150	UJE2	ELLE	12/04/24 13:31

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 240-215415-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25

Accreditation/Certification Summary

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

Job ID: 240-215415-1

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
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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

Eurofins Cleveland

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

Chain of Custody Record

2.5 | 4.7



Client Information
Sampler: Tyler Reynolds Lab PM: Kalis, Nicole A Carrier Tracking No(s):
Client Contact: Kain Lager-Lowe Phone: E-Mail: Nicole.Kalis@et.eurofinsus.com State of Origin: Ohio COC No: 240-124901-43556.12
Company: August Mack Environmental, Inc. PWSID:
Address: 7830 North Central Drive, Suite B City: Lewis Center State, Zip: OH, 43035 Phone: 740-548-1515(Tel) Email: klagerlowe@augustmack.com
Project Name: MSC Canfield - Groundwater Project #: DO NOT DELETE - 24033889 Site:
Due Date Requested: TAT Requested (days): standard Compliance Project: Yes No
PO #: WO #:

Analysis Requested

Field Filtered Sample (Yes or No)	Perform MMSD (Yes or No)	8280D - Full List VOCs	8270E - SVOCs (Scan)	802A - PCBs	8010D/7470A - Total RCRA 8, Cu & Zn	OIA-1677 - Cyanide, Free	9012B - Total Cyanide	8010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)	7196A - Diss. Hexavalent Chromium - Field Filter	Total Number of Containers

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil/sediment, ST=Sludge, AA=Air)	Field Filtered Sample (Yes or No)	Perform MMSD (Yes or No)	A	N	N	D	B	B	D	N	Other	Special Instructions/Note:
<u>MW-3-20241120</u>	<u>11/20/24</u>	<u>1127</u>	<u>G</u>	<u>Water</u>	<u>N</u>	<u>X</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>					<u>10</u>
<u>MW-3-20241120-DISS</u>	<u>11/26/24</u>	<u>1127</u>	<u>G</u>	<u>Water</u>	<u>Y</u>								<u>1</u>	<u>1</u>		<u>2</u>
<u>MW-5-20241120</u>	<u>11/20/24</u>	<u>1000</u>	<u>G</u>	<u>Water</u>	<u>N</u>		<u>3</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>					<u>10</u>
<u>MW-5-20241120-DISS</u>	<u>11/20/24</u>	<u>1000</u>	<u>G</u>	<u>Water</u>	<u>Y</u>								<u>1</u>	<u>1</u>		<u>2</u>
<u>TB-2-20241120</u>	<u>11/20/24</u>	<u>1530</u>	<u>G</u>	<u>Water</u>	<u>N</u>		<u>3</u>									<u>3</u>
				<u>Water</u>												
				<u>Water</u>												
				<u>Water</u>												
				<u>Water</u>												
				<u>Water</u>												
				<u>Water</u>												

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:
Add "-DISS" suffix to samples that are field filtered.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <u>Tyler Reynolds</u>	Date/Time: <u>11/20/24 1600</u>	Company:	Received by: <u>[Signature]</u> Date/Time: <u>11/20/24 1600</u> Company: <u>EOR</u>
Relinquished by: <u>[Signature]</u>	Date/Time: <u>11/20/24 1713</u>	Company: <u>EOR</u>	Received by: <u>MALISSA LOAR</u> Date/Time: <u>11-21-24 17:13</u> Company:

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



Eurofins Cleveland Sample Receipt Form/Narrative Login # _____
 Barberon Facility

Client August Mac Site Name _____
 Cooler Received on 11-21-24 Opened on 11-21-24
 FedEx, 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courlet Other _____
 Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # 2 Foam Box Client Cooler Box Other _____
 Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
 Wet Ice Blue Ice Dry Ice Water None
 1 Cooler temperature upon receipt See Multiple Cooler Form
 IR GUN # 17 (CF) 0.1 °C Observed Cooler Temp. 36 °C Corrected Cooler Temp. 37 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
 -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 NA
 -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)? Yes No
 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

Tests that are not checked for pH by Receiving
VOAs
Oil and Grease
TOC

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 NA
 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: _____
All 3 trip blanks Received empty

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 _____

Login Container Summary Report

240-215415

Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservation Temp</u>	<u>Preservation Added</u>	<u>Preservation Lot Number</u>
MW-3-20241120	240-215415-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-3-20241120	240-215415-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-3-20241120	240-215415-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-3-20241120	240-215415-D-1	Amber Plastic 125 mL - NaOH	>12			
MW-3-20241120	240-215415-E-1	Amber Glass 250ml - unpreserved				
MW-3-20241120	240-215415-F-1	Amber Glass 250ml - unpreserved				
MW-3-20241120	240-215415-G-1	Plastic 250ml - with Sodium Hydroxide	>12			
MW-3-20241120	240-215415-H-1	Plastic 500ml - with Nitric Acid	<2			
MW-3-20241120	240-215415-I-1	Amber Glass 1 liter - unpreserved				
MW-3-20241120	240-215415-J-1	Amber Glass 1 liter - unpreserved				
MW-5-20241120	240-215415-A-2	Voa Vial 40ml - Hydrochloric Acid				
MW-5-20241120	240-215415-B-2	Voa Vial 40ml - Hydrochloric Acid				
MW-5-20241120	240-215415-C-2	Voa Vial 40ml - Hydrochloric Acid				
MW-5-20241120	240-215415-D-2	Amber Plastic 125 mL - NaOH	>12			
MW-5-20241120	240-215415-E-2	Amber Glass 250ml - unpreserved				
MW-5-20241120	240-215415-F-2	Amber Glass 250ml - unpreserved				
MW-5-20241120	240-215415-G-2	Plastic 250ml - with Sodium Hydroxide	>12			
MW-5-20241120	240-215415-H-2	Plastic 500ml - with Nitric Acid	<2			
MW-5-20241120	240-215415-I-2	Amber Glass 1 liter - unpreserved				
MW-5-20241120	240-215415-J-2	Amber Glass 1 liter - unpreserved				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9386 Fax: 330-497-0772

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kalis, Nicole A		Carrier Tracking No(s): N/A		COC No: 240-194309.1		
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1		
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-215415-1		
Address: 2425 New Holland Pike, City: Lancaster State, Zip: PA, 17601 Phone: 717-656-2300(Tel) Email: N/A Project Name: MSC Canfield Site: N/A		Due Date Requested: 12/9/2024 TAT Requested (days): N/A		Analysis Requested				Preservation Codes: -		
PO #: N/A WO #: N/A Project #: 24033889 SSOW#: N/A		Other: N/A								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soils/sed, ST=Soils, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677_Free/ Cyanide, Free	Total Number of Containers	Special Instructions/Note:
MW-3-20241120 (240-215415-1)		11/20/24	11:27 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste
MW-5-20241120 (240-215415-2)		11/20/24	10:00 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste
<p>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 listed 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.</p>										
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 2		Special Instructions/QC Requirements:				
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:			
Relinquished by:			Date/Time:		Company		Received by:		Date/Time: Company	
Relinquished by:			Date/Time:		Company		Received by:		Date/Time: Company	
Relinquished by:			Date/Time:		Company		Received by: <i>Debra A. Byer</i>		Date/Time: 11-22-24 09:55 Company: ELLET	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: R:2.3 C:2.0				



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-215415-1

Login Number: 215415

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 11/22/24 05:44 PM

Creator: Reynolds, Benjamin

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2024 5:29:36 PM

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-215426-1

Eurofins Cleveland

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
12/4/2024 5:29:36 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	19
QC Sample Results	20
QC Association Summary	33
Lab Chronicle	36
Certification Summary	38
Chain of Custody	40
Receipt Checklists	44

Definitions/Glossary

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

Job ID: 240-215426-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-215426-1

Job ID: 240-215426-1

Eurofins Cleveland

Job Narrative 240-215426-1

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 11/21/2024 12:14 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 2.7°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636737 was outside the method criteria for the following analyte(s): Bromoform, Bromomethane and Chlorodibromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636339.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636761 recovered above the upper control limit for 2,2-oxybis[1-chloropropane], Acetophenone and N-Nitrosodi-n-propylamine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples were impacted: MW-7-20241120 (240-215426-1) and MW-15-20241120 (240-215426-2).

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

PCBs

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

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.

Eurofins Cleveland

Method Summary

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

Job ID: 240-215426-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-215426-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215426-1	MW-7-20241120	Water	11/20/24 19:52	11/21/24 12:14
240-215426-2	MW-15-20241120	Water	11/20/24 23:35	11/21/24 12:14
240-215426-3	TB-3-20241120	Water	11/20/24 00:00	11/21/24 12:14

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-215426-1

Client Sample ID: MW-7-20241120

Lab Sample ID: 240-215426-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	55	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	2.2	J	10	0.76	ug/L	1		6010D	Total Recoverable
Barium	55	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.8	J	10	0.76	ug/L	1		6010D	Dissolved
Cyanide, Total	0.31		0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: MW-15-20241120

Lab Sample ID: 240-215426-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	10000		500	220	ug/L	500		8260D	Total/NA
Arsenic	17		15	4.1	ug/L	1		6010D	Total Recoverable
Barium	44	J	200	1.3	ug/L	1		6010D	Total Recoverable
Chromium	1.9	J	10	0.76	ug/L	1		6010D	Total Recoverable
Arsenic	18		15	4.1	ug/L	1		6010D	Dissolved
Barium	42	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	1.5	J	10	0.76	ug/L	1		6010D	Dissolved
Cyanide, Total	0.0065	J	0.010	0.0060	mg/L	1		9012B	Total/NA

Client Sample ID: TB-3-20241120

Lab Sample ID: 240-215426-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-7-20241120

Lab Sample ID: 240-215426-1

Date Collected: 11/20/24 19:52

Matrix: Water

Date Received: 11/21/24 12:14

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/26/24 00:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/26/24 00:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/26/24 00:08	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/26/24 00:08	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/26/24 00:08	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/26/24 00:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/26/24 00:08	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/26/24 00:08	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/26/24 00:08	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/26/24 00:08	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/26/24 00:08	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/26/24 00:08	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/26/24 00:08	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/26/24 00:08	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/26/24 00:08	1
2-Hexanone	ND		10	1.1	ug/L			11/26/24 00:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/26/24 00:08	1
Acetone	ND		10	5.4	ug/L			11/26/24 00:08	1
Benzene	ND		1.0	0.42	ug/L			11/26/24 00:08	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/26/24 00:08	1
Bromoform	ND		1.0	0.76	ug/L			11/26/24 00:08	1
Bromomethane	ND		1.0	0.42	ug/L			11/26/24 00:08	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/26/24 00:08	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/26/24 00:08	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/26/24 00:08	1
Chloroethane	ND		1.0	0.83	ug/L			11/26/24 00:08	1
Chloroform	ND		1.0	0.47	ug/L			11/26/24 00:08	1
Chloromethane	ND		1.0	0.63	ug/L			11/26/24 00:08	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/26/24 00:08	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/26/24 00:08	1
Cyclohexane	ND		1.0	0.48	ug/L			11/26/24 00:08	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/26/24 00:08	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/26/24 00:08	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/26/24 00:08	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/26/24 00:08	1
Methyl acetate	ND		10	1.7	ug/L			11/26/24 00:08	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/26/24 00:08	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/26/24 00:08	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/26/24 00:08	1
Styrene	ND		1.0	0.45	ug/L			11/26/24 00:08	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/26/24 00:08	1
Toluene	ND		1.0	0.44	ug/L			11/26/24 00:08	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/26/24 00:08	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/26/24 00:08	1
Trichloroethene	ND		1.0	0.44	ug/L			11/26/24 00:08	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/26/24 00:08	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/26/24 00:08	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/26/24 00:08	1

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-7-20241120

Lab Sample ID: 240-215426-1

Date Collected: 11/20/24 19:52

Matrix: Water

Date Received: 11/21/24 12:14

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		78 - 122		11/26/24 00:08	1
Dibromofluoromethane (Surr)	98		73 - 120		11/26/24 00:08	1
4-Bromofluorobenzene (Surr)	103		56 - 136		11/26/24 00:08	1
1,2-Dichloroethane-d4 (Surr)	112		62 - 137		11/26/24 00:08	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/22/24 09:01	11/26/24 15:24	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/22/24 09:01	11/26/24 15:24	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/22/24 09:01	11/26/24 15:24	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/22/24 09:01	11/26/24 15:24	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/22/24 09:01	11/26/24 15:24	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/22/24 09:01	11/26/24 15:24	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/22/24 09:01	11/26/24 15:24	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/22/24 09:01	11/26/24 15:24	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/22/24 09:01	11/26/24 15:24	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/22/24 09:01	11/26/24 15:24	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/22/24 09:01	11/26/24 15:24	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/22/24 09:01	11/26/24 15:24	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/22/24 09:01	11/26/24 15:24	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/22/24 09:01	11/26/24 15:24	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/22/24 09:01	11/26/24 15:24	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/22/24 09:01	11/26/24 15:24	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/22/24 09:01	11/26/24 15:24	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/22/24 09:01	11/26/24 15:24	1
Acenaphthene	ND		0.19	0.17	ug/L		11/22/24 09:01	11/26/24 15:24	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/22/24 09:01	11/26/24 15:24	1
Acetophenone	ND		0.96	0.35	ug/L		11/22/24 09:01	11/26/24 15:24	1
Anthracene	ND		0.19	0.13	ug/L		11/22/24 09:01	11/26/24 15:24	1
Atrazine	ND		1.9	0.92	ug/L		11/22/24 09:01	11/26/24 15:24	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/22/24 09:01	11/26/24 15:24	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/22/24 09:01	11/26/24 15:24	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/22/24 09:01	11/26/24 15:24	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:24	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/22/24 09:01	11/26/24 15:24	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/22/24 09:01	11/26/24 15:24	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/22/24 09:01	11/26/24 15:24	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/22/24 09:01	11/26/24 15:24	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/22/24 09:01	11/26/24 15:24	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/22/24 09:01	11/26/24 15:24	1
Caprolactam	ND		4.8	3.7	ug/L		11/22/24 09:01	11/26/24 15:24	1
Carbazole	ND		0.96	0.47	ug/L		11/22/24 09:01	11/26/24 15:24	1
Chrysene	ND		0.19	0.063	ug/L		11/22/24 09:01	11/26/24 15:24	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:24	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-7-20241120

Lab Sample ID: 240-215426-1

Date Collected: 11/20/24 19:52

Matrix: Water

Date Received: 11/21/24 12:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/22/24 09:01	11/26/24 15:24	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/22/24 09:01	11/26/24 15:24	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/22/24 09:01	11/26/24 15:24	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/22/24 09:01	11/26/24 15:24	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/22/24 09:01	11/26/24 15:24	1
Fluoranthene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:24	1
Fluorene	ND		0.19	0.076	ug/L		11/22/24 09:01	11/26/24 15:24	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:24	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/22/24 09:01	11/26/24 15:24	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/22/24 09:01	11/26/24 15:24	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/22/24 09:01	11/26/24 15:24	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/22/24 09:01	11/26/24 15:24	1
Isophorone	ND		0.96	0.31	ug/L		11/22/24 09:01	11/26/24 15:24	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/22/24 09:01	11/26/24 15:24	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/22/24 09:01	11/26/24 15:24	1
Naphthalene	ND		0.19	0.10	ug/L		11/22/24 09:01	11/26/24 15:24	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/22/24 09:01	11/26/24 15:24	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/22/24 09:01	11/26/24 15:24	1
Phenanthrene	ND		0.19	0.077	ug/L		11/22/24 09:01	11/26/24 15:24	1
Phenol	ND		0.96	0.39	ug/L		11/22/24 09:01	11/26/24 15:24	1
Pyrene	ND		0.19	0.080	ug/L		11/22/24 09:01	11/26/24 15:24	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/22/24 09:01	11/26/24 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	79		43 - 136	11/22/24 09:01	11/26/24 15:24	1
Phenol-d5 (Surr)	91		10 - 120	11/22/24 09:01	11/26/24 15:24	1
Nitrobenzene-d5 (Surr)	70		40 - 120	11/22/24 09:01	11/26/24 15:24	1
2-Fluorophenol (Surr)	73		10 - 127	11/22/24 09:01	11/26/24 15:24	1
2-Fluorobiphenyl (Surr)	74		41 - 120	11/22/24 09:01	11/26/24 15:24	1
2,4,6-Tribromophenol (Surr)	86		23 - 127	11/22/24 09:01	11/26/24 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.096	0.054	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1221	ND		0.096	0.055	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1232	ND		0.096	0.071	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1242	ND		0.096	0.073	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1248	ND		0.096	0.048	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1254	ND		0.096	0.038	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1260	ND		0.096	0.044	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1262	ND		0.096	0.056	ug/L		11/25/24 09:27	11/26/24 15:49	1
Aroclor-1268	ND		0.096	0.060	ug/L		11/25/24 09:27	11/26/24 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	51		10 - 149	11/25/24 09:27	11/26/24 15:49	1
DCB Decachlorobiphenyl	45		10 - 174	11/25/24 09:27	11/26/24 15:49	1

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		11/22/24 14:00	11/26/24 00:22	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-7-20241120

Lab Sample ID: 240-215426-1

Date Collected: 11/20/24 19:52

Matrix: Water

Date Received: 11/21/24 12:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	55	J	200	1.3	ug/L		11/22/24 14:00	11/26/24 00:22	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/26/24 00:22	1
Chromium	2.2	J	10	0.76	ug/L		11/22/24 14:00	11/26/24 00:22	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/26/24 00:22	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/26/24 00:22	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/26/24 00:22	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/26/24 00:22	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/26/24 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/22/24 14:00	11/26/24 00:53	1
Barium	55	J	200	1.3	ug/L		11/22/24 14:00	11/26/24 00:53	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/26/24 00:53	1
Chromium	1.8	J	10	0.76	ug/L		11/22/24 14:00	11/26/24 00:53	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/26/24 00:53	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/26/24 00:53	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/26/24 00:53	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/26/24 00:53	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/26/24 00:53	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		11/22/24 14:00	11/25/24 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/22/24 14:00	11/25/24 16:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.31		0.010	0.0060	mg/L		11/25/24 11:19	11/25/24 12:52	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/04/24 13:33	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/21/24 12:57	1

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-15-20241120

Lab Sample ID: 240-215426-2

Date Collected: 11/20/24 23:35

Matrix: Water

Date Received: 11/21/24 12:14

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500	240	ug/L			11/26/24 00:31	500
1,1,2,2-Tetrachloroethane	ND		500	300	ug/L			11/26/24 00:31	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	210	ug/L			11/26/24 00:31	500
1,1,2-Trichloroethane	ND		500	240	ug/L			11/26/24 00:31	500
1,1-Dichloroethane	ND		500	240	ug/L			11/26/24 00:31	500
1,1-Dichloroethene	ND		500	250	ug/L			11/26/24 00:31	500
1,2,4-Trichlorobenzene	ND		500	390	ug/L			11/26/24 00:31	500
1,2-Dibromo-3-Chloropropane	ND		1000	460	ug/L			11/26/24 00:31	500
Ethylene Dibromide	ND		500	210	ug/L			11/26/24 00:31	500
1,2-Dichlorobenzene	ND		500	240	ug/L			11/26/24 00:31	500
1,2-Dichloroethane	ND		500	230	ug/L			11/26/24 00:31	500
1,2-Dichloropropane	ND		500	240	ug/L			11/26/24 00:31	500
1,3-Dichlorobenzene	ND		500	230	ug/L			11/26/24 00:31	500
1,4-Dichlorobenzene	ND		500	210	ug/L			11/26/24 00:31	500
2-Butanone (MEK)	ND		5000	580	ug/L			11/26/24 00:31	500
2-Hexanone	ND		5000	560	ug/L			11/26/24 00:31	500
4-Methyl-2-pentanone (MIBK)	ND		5000	500	ug/L			11/26/24 00:31	500
Acetone	ND		5000	2700	ug/L			11/26/24 00:31	500
Benzene	ND		500	210	ug/L			11/26/24 00:31	500
Dichlorobromomethane	ND		500	190	ug/L			11/26/24 00:31	500
Bromoform	ND		500	380	ug/L			11/26/24 00:31	500
Bromomethane	ND	F2	500	210	ug/L			11/26/24 00:31	500
Carbon disulfide	ND		500	300	ug/L			11/26/24 00:31	500
Carbon tetrachloride	ND		500	130	ug/L			11/26/24 00:31	500
Chlorobenzene	ND		500	190	ug/L			11/26/24 00:31	500
Chloroethane	ND		500	420	ug/L			11/26/24 00:31	500
Chloroform	ND		500	240	ug/L			11/26/24 00:31	500
Chloromethane	ND		500	320	ug/L			11/26/24 00:31	500
cis-1,2-Dichloroethene	ND		500	230	ug/L			11/26/24 00:31	500
cis-1,3-Dichloropropene	ND		500	310	ug/L			11/26/24 00:31	500
Cyclohexane	ND		500	240	ug/L			11/26/24 00:31	500
Chlorodibromomethane	ND		500	200	ug/L			11/26/24 00:31	500
Dichlorodifluoromethane	ND		500	180	ug/L			11/26/24 00:31	500
Ethylbenzene	ND		500	210	ug/L			11/26/24 00:31	500
Isopropylbenzene	ND		500	250	ug/L			11/26/24 00:31	500
Methyl acetate	ND		5000	860	ug/L			11/26/24 00:31	500
Methyl tert-butyl ether	ND		500	240	ug/L			11/26/24 00:31	500
Methylcyclohexane	ND		500	170	ug/L			11/26/24 00:31	500
Methylene Chloride	ND		2500	1300	ug/L			11/26/24 00:31	500
Styrene	ND		500	230	ug/L			11/26/24 00:31	500
Tetrachloroethene	ND		500	220	ug/L			11/26/24 00:31	500
Toluene	ND		500	220	ug/L			11/26/24 00:31	500
trans-1,2-Dichloroethene	ND		500	260	ug/L			11/26/24 00:31	500
trans-1,3-Dichloropropene	ND		500	340	ug/L			11/26/24 00:31	500
Trichloroethene	10000		500	220	ug/L			11/26/24 00:31	500
Trichlorofluoromethane	ND		500	230	ug/L			11/26/24 00:31	500
Vinyl chloride	ND		500	230	ug/L			11/26/24 00:31	500
Xylenes, Total	ND		1000	210	ug/L			11/26/24 00:31	500

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-15-20241120

Lab Sample ID: 240-215426-2

Date Collected: 11/20/24 23:35

Matrix: Water

Date Received: 11/21/24 12:14

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		78 - 122		11/26/24 00:31	500
Dibromofluoromethane (Surr)	96		73 - 120		11/26/24 00:31	500
4-Bromofluorobenzene (Surr)	100		56 - 136		11/26/24 00:31	500
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		11/26/24 00:31	500

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/22/24 09:01	11/26/24 15:47	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/22/24 09:01	11/26/24 15:47	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/22/24 09:01	11/26/24 15:47	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/22/24 09:01	11/26/24 15:47	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/22/24 09:01	11/26/24 15:47	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/22/24 09:01	11/26/24 15:47	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/22/24 09:01	11/26/24 15:47	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/22/24 09:01	11/26/24 15:47	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/22/24 09:01	11/26/24 15:47	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/22/24 09:01	11/26/24 15:47	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/22/24 09:01	11/26/24 15:47	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/22/24 09:01	11/26/24 15:47	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/22/24 09:01	11/26/24 15:47	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/22/24 09:01	11/26/24 15:47	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/22/24 09:01	11/26/24 15:47	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/22/24 09:01	11/26/24 15:47	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/22/24 09:01	11/26/24 15:47	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/22/24 09:01	11/26/24 15:47	1
Acenaphthene	ND		0.19	0.17	ug/L		11/22/24 09:01	11/26/24 15:47	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/22/24 09:01	11/26/24 15:47	1
Acetophenone	ND		0.96	0.35	ug/L		11/22/24 09:01	11/26/24 15:47	1
Anthracene	ND		0.19	0.13	ug/L		11/22/24 09:01	11/26/24 15:47	1
Atrazine	ND		1.9	0.92	ug/L		11/22/24 09:01	11/26/24 15:47	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/22/24 09:01	11/26/24 15:47	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/22/24 09:01	11/26/24 15:47	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/22/24 09:01	11/26/24 15:47	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:47	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/22/24 09:01	11/26/24 15:47	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/22/24 09:01	11/26/24 15:47	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/22/24 09:01	11/26/24 15:47	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/22/24 09:01	11/26/24 15:47	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/22/24 09:01	11/26/24 15:47	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/22/24 09:01	11/26/24 15:47	1
Caprolactam	ND		4.8	3.7	ug/L		11/22/24 09:01	11/26/24 15:47	1
Carbazole	ND		0.96	0.47	ug/L		11/22/24 09:01	11/26/24 15:47	1
Chrysene	ND		0.19	0.063	ug/L		11/22/24 09:01	11/26/24 15:47	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:47	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-15-20241120

Lab Sample ID: 240-215426-2

Date Collected: 11/20/24 23:35

Matrix: Water

Date Received: 11/21/24 12:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/22/24 09:01	11/26/24 15:47	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/22/24 09:01	11/26/24 15:47	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/22/24 09:01	11/26/24 15:47	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/22/24 09:01	11/26/24 15:47	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/22/24 09:01	11/26/24 15:47	1
Fluoranthene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:47	1
Fluorene	ND		0.19	0.076	ug/L		11/22/24 09:01	11/26/24 15:47	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/22/24 09:01	11/26/24 15:47	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/22/24 09:01	11/26/24 15:47	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/22/24 09:01	11/26/24 15:47	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/22/24 09:01	11/26/24 15:47	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/22/24 09:01	11/26/24 15:47	1
Isophorone	ND		0.96	0.31	ug/L		11/22/24 09:01	11/26/24 15:47	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/22/24 09:01	11/26/24 15:47	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/22/24 09:01	11/26/24 15:47	1
Naphthalene	ND		0.19	0.10	ug/L		11/22/24 09:01	11/26/24 15:47	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/22/24 09:01	11/26/24 15:47	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/22/24 09:01	11/26/24 15:47	1
Phenanthrene	ND		0.19	0.077	ug/L		11/22/24 09:01	11/26/24 15:47	1
Phenol	ND		0.96	0.39	ug/L		11/22/24 09:01	11/26/24 15:47	1
Pyrene	ND		0.19	0.080	ug/L		11/22/24 09:01	11/26/24 15:47	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/22/24 09:01	11/26/24 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	84		43 - 136	11/22/24 09:01	11/26/24 15:47	1
Phenol-d5 (Surr)	78		10 - 120	11/22/24 09:01	11/26/24 15:47	1
Nitrobenzene-d5 (Surr)	75		40 - 120	11/22/24 09:01	11/26/24 15:47	1
2-Fluorophenol (Surr)	90		10 - 127	11/22/24 09:01	11/26/24 15:47	1
2-Fluorobiphenyl (Surr)	74		41 - 120	11/22/24 09:01	11/26/24 15:47	1
2,4,6-Tribromophenol (Surr)	85		23 - 127	11/22/24 09:01	11/26/24 15:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/25/24 09:27	11/26/24 16:03	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/25/24 09:27	11/26/24 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	56		10 - 149	11/25/24 09:27	11/26/24 16:03	1
DCB Decachlorobiphenyl	40		10 - 174	11/25/24 09:27	11/26/24 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17		15	4.1	ug/L		11/22/24 14:00	11/26/24 01:15	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: MW-15-20241120

Lab Sample ID: 240-215426-2

Date Collected: 11/20/24 23:35

Matrix: Water

Date Received: 11/21/24 12:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	44	J	200	1.3	ug/L		11/22/24 14:00	11/26/24 01:15	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/26/24 01:15	1
Chromium	1.9	J	10	0.76	ug/L		11/22/24 14:00	11/26/24 01:15	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/26/24 01:15	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/26/24 01:15	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/26/24 01:15	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/26/24 01:15	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/26/24 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18		15	4.1	ug/L		11/22/24 14:00	11/26/24 01:19	1
Barium	42	J	200	1.3	ug/L		11/22/24 14:00	11/26/24 01:19	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/26/24 01:19	1
Chromium	1.5	J	10	0.76	ug/L		11/22/24 14:00	11/26/24 01:19	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/26/24 01:19	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/26/24 01:19	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/26/24 01:19	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/26/24 01:19	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/26/24 01:19	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		11/22/24 14:00	11/25/24 16:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/22/24 14:00	11/25/24 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0065	J	0.010	0.0060	mg/L		11/25/24 11:19	11/25/24 12:54	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/04/24 13:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/21/24 12:58	1

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: TB-3-20241120

Lab Sample ID: 240-215426-3

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/21/24 12:14

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 22:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 22:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 22:58	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 22:58	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 22:58	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 22:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 22:58	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 22:58	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 22:58	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 22:58	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 22:58	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 22:58	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 22:58	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 22:58	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 22:58	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 22:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 22:58	1
Acetone	ND		10	5.4	ug/L			11/25/24 22:58	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 22:58	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 22:58	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 22:58	1
Bromomethane	ND		1.0	0.42	ug/L			11/25/24 22:58	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 22:58	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 22:58	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 22:58	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 22:58	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 22:58	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 22:58	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/25/24 22:58	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 22:58	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 22:58	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 22:58	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 22:58	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 22:58	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 22:58	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 22:58	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 22:58	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 22:58	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 22:58	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 22:58	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 22:58	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 22:58	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 22:58	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 22:58	1
Trichloroethene	ND		1.0	0.44	ug/L			11/25/24 22:58	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/25/24 22:58	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/25/24 22:58	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 22:58	1

Client Sample Results

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

Job ID: 240-215426-1

Client Sample ID: TB-3-20241120

Lab Sample ID: 240-215426-3

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/21/24 12:14

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	102		78 - 122		11/25/24 22:58	1
Dibromofluoromethane (Surr)	97		73 - 120		11/25/24 22:58	1
4-Bromofluorobenzene (Surr)	102		56 - 136		11/25/24 22:58	1
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		11/25/24 22:58	1

Surrogate Summary

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

Job ID: 240-215426-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-215426-1	MW-7-20241120	102	98	103	112
240-215426-2	MW-15-20241120	101	96	100	110
240-215426-2 MS	MW-15-20241120	103	94	103	104
240-215426-2 MSD	MW-15-20241120	104	92	103	102
240-215426-3	TB-3-20241120	102	97	102	110
LCS 240-636737/5	Lab Control Sample	102	93	104	103
MB 240-636737/10	Method Blank	101	96	101	110

Surrogate Legend
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-215426-1	MW-7-20241120	79	91	70	73	74	86
240-215426-2	MW-15-20241120	84	78	75	90	74	85
LCS 240-636339/2-A	Lab Control Sample	80	77	87	119	78	86
MB 240-636339/1-A	Method Blank	89	66	75	74	77	68

Surrogate Legend
TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (10-149)	DCBP1 (10-174)
240-215426-1	MW-7-20241120	51	45
240-215426-2	MW-15-20241120	56	40
LCS 240-636602/2-A	Lab Control Sample	65	55
MB 240-636602/1-A	Method Blank	51	53

Surrogate Legend
TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-215426-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636737/10

Matrix: Water

Analysis Batch: 636737

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 22:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 22:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 22:35	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 22:35	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 22:35	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 22:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 22:35	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 22:35	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 22:35	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 22:35	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 22:35	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 22:35	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 22:35	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 22:35	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 22:35	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 22:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 22:35	1
Acetone	ND		10	5.4	ug/L			11/25/24 22:35	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 22:35	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 22:35	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 22:35	1
Bromomethane	ND		1.0	0.42	ug/L			11/25/24 22:35	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 22:35	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 22:35	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 22:35	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 22:35	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 22:35	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 22:35	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/25/24 22:35	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 22:35	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 22:35	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 22:35	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 22:35	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 22:35	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 22:35	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 22:35	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 22:35	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 22:35	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 22:35	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 22:35	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 22:35	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 22:35	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 22:35	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 22:35	1
Trichloroethene	ND		1.0	0.44	ug/L			11/25/24 22:35	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/25/24 22:35	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/25/24 22:35	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 22:35	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636737/10

Matrix: Water

Analysis Batch: 636737

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	101		78 - 122		11/25/24 22:35	1
Dibromofluoromethane (Surr)	96		73 - 120		11/25/24 22:35	1
4-Bromofluorobenzene (Surr)	101		56 - 136		11/25/24 22:35	1
1,2-Dichloroethane-d4 (Surr)	110		62 - 137		11/25/24 22:35	1

Lab Sample ID: LCS 240-636737/5

Matrix: Water

Analysis Batch: 636737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.9		ug/L		88	51 - 146
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	70 - 138
1,1-Dichloroethane	25.0	23.6		ug/L		94	72 - 127
1,1-Dichloroethene	25.0	20.9		ug/L		83	63 - 134
1,2,4-Trichlorobenzene	25.0	20.5		ug/L		82	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	18.3		ug/L		73	53 - 135
Ethylene Dibromide	25.0	21.8		ug/L		87	71 - 134
1,2-Dichlorobenzene	25.0	21.4		ug/L		86	78 - 120
1,2-Dichloroethane	25.0	22.9		ug/L		92	66 - 128
1,2-Dichloropropane	25.0	25.1		ug/L		100	75 - 133
1,3-Dichlorobenzene	25.0	21.9		ug/L		88	80 - 120
1,4-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 120
2-Butanone (MEK)	50.0	42.9		ug/L		86	54 - 156
2-Hexanone	50.0	53.4		ug/L		107	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	46.7		ug/L		93	46 - 158
Acetone	50.0	49.8		ug/L		100	50 - 149
Benzene	25.0	23.4		ug/L		94	77 - 123
Dichlorobromomethane	25.0	20.2		ug/L		81	69 - 126
Bromoform	25.0	17.9		ug/L		71	57 - 129
Bromomethane	25.0	12.4		ug/L		50	36 - 142
Carbon disulfide	25.0	21.3		ug/L		85	43 - 140
Carbon tetrachloride	25.0	19.0		ug/L		76	55 - 137
Chlorobenzene	25.0	21.9		ug/L		88	80 - 121
Chloroethane	25.0	21.6		ug/L		87	38 - 152
Chloroform	25.0	20.7		ug/L		83	74 - 122
Chloromethane	25.0	23.5		ug/L		94	47 - 143
cis-1,2-Dichloroethene	25.0	21.5		ug/L		86	77 - 123
cis-1,3-Dichloropropene	25.0	20.9		ug/L		84	64 - 130
Cyclohexane	25.0	23.0		ug/L		92	58 - 146
Chlorodibromomethane	25.0	18.7		ug/L		75	70 - 124
Dichlorodifluoromethane	25.0	25.2		ug/L		101	34 - 153
Ethylbenzene	25.0	22.4		ug/L		89	80 - 121
Isopropylbenzene	25.0	24.7		ug/L		99	74 - 128
Methyl acetate	50.0	48.6		ug/L		97	42 - 169
Methyl tert-butyl ether	25.0	23.8		ug/L		95	65 - 126
Methylcyclohexane	25.0	22.9		ug/L		92	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636737/5

Matrix: Water

Analysis Batch: 636737

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	21.4		ug/L		86	71 - 125
Styrene	25.0	22.3		ug/L		89	80 - 135
Tetrachloroethene	25.0	19.6		ug/L		78	76 - 123
Toluene	25.0	22.4		ug/L		90	80 - 123
trans-1,2-Dichloroethene	25.0	21.2		ug/L		85	75 - 124
trans-1,3-Dichloropropene	25.0	23.4		ug/L		94	57 - 129
Trichloroethene	25.0	20.5		ug/L		82	70 - 122
Trichlorofluoromethane	25.0	21.6		ug/L		87	30 - 170
Vinyl chloride	25.0	27.6		ug/L		110	60 - 144
Xylenes, Total	50.0	43.0		ug/L		86	80 - 121
m-Xylene & p-Xylene	25.0	21.5		ug/L		86	80 - 120
o-Xylene	25.0	21.5		ug/L		86	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120
4-Bromofluorobenzene (Surr)	104		56 - 136
1,2-Dichloroethane-d4 (Surr)	103		62 - 137

Lab Sample ID: 240-215426-2 MS

Matrix: Water

Analysis Batch: 636737

Client Sample ID: MW-15-20241120

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		12500	10400		ug/L		84	60 - 130
1,1,1,2-Tetrachloroethane	ND		12500	12400		ug/L		99	54 - 145
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12500	10400		ug/L		83	41 - 147
1,1,2-Trichloroethane	ND		12500	11500		ug/L		92	69 - 131
1,1-Dichloroethane	ND		12500	12000		ug/L		96	68 - 125
1,1-Dichloroethene	ND		12500	10800		ug/L		87	56 - 135
1,2,4-Trichlorobenzene	ND		12500	10300		ug/L		82	29 - 156
1,2-Dibromo-3-Chloropropane	ND		12500	8870		ug/L		71	41 - 129
Ethylene Dibromide	ND		12500	10900		ug/L		87	69 - 125
1,2-Dichlorobenzene	ND		12500	10800		ug/L		87	73 - 120
1,2-Dichloroethane	ND		12500	11600		ug/L		92	63 - 126
1,2-Dichloropropane	ND		12500	12500		ug/L		100	69 - 130
1,3-Dichlorobenzene	ND		12500	11000		ug/L		88	73 - 120
1,4-Dichlorobenzene	ND		12500	11000		ug/L		88	74 - 120
2-Butanone (MEK)	ND		25000	21500		ug/L		86	40 - 151
2-Hexanone	ND		25000	26200		ug/L		105	35 - 156
4-Methyl-2-pentanone (MIBK)	ND		25000	23000		ug/L		92	31 - 153
Acetone	ND		25000	26200		ug/L		105	33 - 149
Benzene	ND		12500	11900		ug/L		95	64 - 128
Dichlorobromomethane	ND		12500	9960		ug/L		80	62 - 125
Bromoform	ND		12500	8010		ug/L		64	47 - 125
Bromomethane	ND	F2	12500	4060		ug/L		32	28 - 150
Carbon disulfide	ND		12500	10400		ug/L		83	38 - 140
Carbon tetrachloride	ND		12500	9640		ug/L		77	51 - 133

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215426-2 MS

Client Sample ID: MW-15-20241120

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636737

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorobenzene	ND		12500	11100		ug/L		89	74 - 121
Chloroethane	ND		12500	11300		ug/L		90	10 - 199
Chloroform	ND		12500	10600		ug/L		85	70 - 122
Chloromethane	ND		12500	12300		ug/L		99	32 - 149
cis-1,2-Dichloroethene	ND		12500	11000		ug/L		88	66 - 128
cis-1,3-Dichloropropene	ND		12500	9690		ug/L		78	47 - 125
Cyclohexane	ND		12500	11100		ug/L		89	42 - 147
Chlorodibromomethane	ND		12500	8890		ug/L		71	65 - 120
Dichlorodifluoromethane	ND		12500	11900		ug/L		95	38 - 139
Ethylbenzene	ND		12500	11400		ug/L		91	67 - 127
Isopropylbenzene	ND		12500	12800		ug/L		102	64 - 129
Methyl acetate	ND		25000	24200		ug/L		97	37 - 155
Methyl tert-butyl ether	ND		12500	11600		ug/L		93	47 - 134
Methylcyclohexane	ND		12500	10900		ug/L		87	39 - 144
Methylene Chloride	ND		12500	10800		ug/L		87	62 - 129
Styrene	ND		12500	11400		ug/L		91	70 - 139
Tetrachloroethene	ND		12500	10000		ug/L		80	62 - 131
Toluene	ND		12500	11600		ug/L		93	58 - 135
trans-1,2-Dichloroethene	ND		12500	10800		ug/L		87	56 - 136
trans-1,3-Dichloropropene	ND		12500	10800		ug/L		86	47 - 120
Trichloroethene	10000		12500	21000		ug/L		85	61 - 124
Trichlorofluoromethane	ND		12500	10700		ug/L		85	24 - 177
Vinyl chloride	ND		12500	14300		ug/L		114	43 - 157
Xylenes, Total	ND		25000	22300		ug/L		89	71 - 123
m-Xylene & p-Xylene	ND		12500	11300		ug/L		90	71 - 123
o-Xylene	ND		12500	11000		ug/L		88	70 - 125

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	94		73 - 120
4-Bromofluorobenzene (Surr)	103		56 - 136
1,2-Dichloroethane-d4 (Surr)	104		62 - 137

Lab Sample ID: 240-215426-2 MSD

Client Sample ID: MW-15-20241120

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636737

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		12500	10500		ug/L		84	60 - 130	0	17
1,1,2,2-Tetrachloroethane	ND		12500	12300		ug/L		98	54 - 145	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12500	10500		ug/L		84	41 - 147	1	35
1,1,2-Trichloroethane	ND		12500	11600		ug/L		93	69 - 131	1	14
1,1-Dichloroethane	ND		12500	11900		ug/L		95	68 - 125	2	13
1,1-Dichloroethene	ND		12500	10600		ug/L		85	56 - 135	2	26
1,2,4-Trichlorobenzene	ND		12500	10100		ug/L		81	29 - 156	1	19
1,2-Dibromo-3-Chloropropane	ND		12500	8460		ug/L		68	41 - 129	5	22
Ethylene Dibromide	ND		12500	11000		ug/L		88	69 - 125	0	14
1,2-Dichlorobenzene	ND		12500	10800		ug/L		86	73 - 120	0	14

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215426-2 MSD

Client Sample ID: MW-15-20241120

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636737

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,2-Dichloroethane	ND		12500	11500		ug/L		92	63 - 126	1	12
1,2-Dichloropropane	ND		12500	12600		ug/L		100	69 - 130	1	13
1,3-Dichlorobenzene	ND		12500	11000		ug/L		88	73 - 120	1	14
1,4-Dichlorobenzene	ND		12500	10800		ug/L		86	74 - 120	2	15
2-Butanone (MEK)	ND		25000	21400		ug/L		85	40 - 151	1	20
2-Hexanone	ND		25000	26900		ug/L		107	35 - 156	3	17
4-Methyl-2-pentanone (MIBK)	ND		25000	22600		ug/L		90	31 - 153	2	15
Acetone	ND		25000	25800		ug/L		103	33 - 149	2	34
Benzene	ND		12500	11800		ug/L		94	64 - 128	1	14
Dichlorobromomethane	ND		12500	9940		ug/L		80	62 - 125	0	13
Bromoform	ND		12500	8130		ug/L		65	47 - 125	1	15
Bromomethane	ND	F2	12500	6110	F2	ug/L		49	28 - 150	40	26
Carbon disulfide	ND		12500	10300		ug/L		83	38 - 140	1	23
Carbon tetrachloride	ND		12500	9630		ug/L		77	51 - 133	0	24
Chlorobenzene	ND		12500	11100		ug/L		89	74 - 121	0	14
Chloroethane	ND		12500	11000		ug/L		88	10 - 199	2	30
Chloroform	ND		12500	10500		ug/L		84	70 - 122	1	14
Chloromethane	ND		12500	11900		ug/L		95	32 - 149	4	27
cis-1,2-Dichloroethene	ND		12500	10900		ug/L		87	66 - 128	0	14
cis-1,3-Dichloropropene	ND		12500	9920		ug/L		79	47 - 125	2	13
Cyclohexane	ND		12500	11100		ug/L		89	42 - 147	0	35
Chlorodibromomethane	ND		12500	8970		ug/L		72	65 - 120	1	13
Dichlorodifluoromethane	ND		12500	11600		ug/L		93	38 - 139	3	35
Ethylbenzene	ND		12500	11500		ug/L		92	67 - 127	1	15
Isopropylbenzene	ND		12500	12800		ug/L		102	64 - 129	0	18
Methyl acetate	ND		25000	24000		ug/L		96	37 - 155	1	18
Methyl tert-butyl ether	ND		12500	11500		ug/L		92	47 - 134	1	16
Methylcyclohexane	ND		12500	10900		ug/L		87	39 - 144	0	35
Methylene Chloride	ND		12500	10600		ug/L		85	62 - 129	2	17
Styrene	ND		12500	11600		ug/L		93	70 - 139	2	18
Tetrachloroethene	ND		12500	10200		ug/L		82	62 - 131	2	20
Toluene	ND		12500	11500		ug/L		92	58 - 135	0	14
trans-1,2-Dichloroethene	ND		12500	10600		ug/L		85	56 - 136	2	15
trans-1,3-Dichloropropene	ND		12500	11000		ug/L		88	47 - 120	2	14
Trichloroethene	10000		12500	20800		ug/L		83	61 - 124	1	15
Trichlorofluoromethane	ND		12500	10500		ug/L		84	24 - 177	1	34
Vinyl chloride	ND		12500	13900		ug/L		111	43 - 157	3	24
Xylenes, Total	ND		25000	22400		ug/L		90	71 - 123	0	15
m-Xylene & p-Xylene	ND		12500	11200		ug/L		89	71 - 123	1	16
o-Xylene	ND		12500	11200		ug/L		90	70 - 125	2	15

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	104		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120
4-Bromofluorobenzene (Surr)	103		56 - 136
1,2-Dichloroethane-d4 (Surr)	102		62 - 137

QC Sample Results

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

Job ID: 240-215426-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636339/1-A

Matrix: Water

Analysis Batch: 636761

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636339

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 09:42	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/22/24 09:01	11/26/24 09:42	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/22/24 09:01	11/26/24 09:42	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/22/24 09:01	11/26/24 09:42	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/22/24 09:01	11/26/24 09:42	1
4-Nitrophenol	ND		10	2.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acenaphthene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/22/24 09:01	11/26/24 09:42	1
Acetophenone	ND		1.0	0.37	ug/L		11/22/24 09:01	11/26/24 09:42	1
Anthracene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Atrazine	ND		2.0	0.95	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/22/24 09:01	11/26/24 09:42	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/22/24 09:01	11/26/24 09:42	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/22/24 09:01	11/26/24 09:42	1
Caprolactam	ND		5.0	3.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Carbazole	ND		1.0	0.49	ug/L		11/22/24 09:01	11/26/24 09:42	1
Chrysene	ND		0.20	0.066	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/22/24 09:01	11/26/24 09:42	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/22/24 09:01	11/26/24 09:42	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/22/24 09:01	11/26/24 09:42	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/22/24 09:01	11/26/24 09:42	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636339/1-A

Matrix: Water

Analysis Batch: 636761

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636339

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoranthene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 09:42	1
Fluorene	ND		0.20	0.079	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/22/24 09:01	11/26/24 09:42	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/22/24 09:01	11/26/24 09:42	1
Isophorone	ND		1.0	0.32	ug/L		11/22/24 09:01	11/26/24 09:42	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/22/24 09:01	11/26/24 09:42	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/22/24 09:01	11/26/24 09:42	1
Naphthalene	ND		0.20	0.11	ug/L		11/22/24 09:01	11/26/24 09:42	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/22/24 09:01	11/26/24 09:42	1
Pentachlorophenol	ND		10	3.1	ug/L		11/22/24 09:01	11/26/24 09:42	1
Phenanthrene	ND		0.20	0.080	ug/L		11/22/24 09:01	11/26/24 09:42	1
Phenol	ND		1.0	0.40	ug/L		11/22/24 09:01	11/26/24 09:42	1
Pyrene	ND		0.20	0.083	ug/L		11/22/24 09:01	11/26/24 09:42	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/22/24 09:01	11/26/24 09:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	89		43 - 136	11/22/24 09:01	11/26/24 09:42	1
Phenol-d5 (Surr)	66		10 - 120	11/22/24 09:01	11/26/24 09:42	1
Nitrobenzene-d5 (Surr)	75		40 - 120	11/22/24 09:01	11/26/24 09:42	1
2-Fluorophenol (Surr)	74		10 - 127	11/22/24 09:01	11/26/24 09:42	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/22/24 09:01	11/26/24 09:42	1
2,4,6-Tribromophenol (Surr)	68		23 - 127	11/22/24 09:01	11/26/24 09:42	1

Lab Sample ID: LCS 240-636339/2-A

Matrix: Water

Analysis Batch: 636761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636339

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	30.5		ug/L		95	34 - 126
2,4,5-Trichlorophenol	32.0	26.9		ug/L		84	51 - 129
2,4,6-Trichlorophenol	32.0	26.3		ug/L		82	51 - 128
2,4-Dichlorophenol	32.0	26.9		ug/L		84	57 - 122
2,4-Dimethylphenol	32.0	30.9		ug/L		97	33 - 120
2,4-Dinitrophenol	64.0	44.4		ug/L		69	27 - 126
2,4-Dinitrotoluene	32.0	27.5		ug/L		86	55 - 131
2,6-Dinitrotoluene	32.0	27.0		ug/L		84	54 - 134
2-Chloronaphthalene	32.0	24.8		ug/L		78	50 - 120
2-Chlorophenol	32.0	29.9		ug/L		93	57 - 120
2-Methylnaphthalene	32.0	22.2		ug/L		69	47 - 120
2-Methylphenol	32.0	28.0		ug/L		87	47 - 120
2-Nitroaniline	32.0	27.9		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.1		ug/L		81	53 - 127
3,3'-Dichlorobenzidine	64.0	52.8		ug/L		83	39 - 150
3-Nitroaniline	32.0	25.9		ug/L		81	13 - 156

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636339/2-A

Matrix: Water

Analysis Batch: 636761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636339

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
4,6-Dinitro-2-methylphenol	64.0	54.8		ug/L		86	45 - 130
4-Bromophenyl phenyl ether	32.0	28.1		ug/L		88	51 - 129
4-Chloro-3-methylphenol	32.0	26.4		ug/L		82	57 - 126
4-Chloroaniline	32.0	5.13		ug/L		16	10 - 120
4-Chlorophenyl phenyl ether	32.0	25.7		ug/L		80	52 - 122
4-Nitroaniline	32.0	32.1		ug/L		100	44 - 156
4-Nitrophenol	64.0	40.1		ug/L		63	14 - 120
Acenaphthene	32.0	24.5		ug/L		76	50 - 120
Acenaphthylene	32.0	27.4		ug/L		86	49 - 120
Acetophenone	32.0	25.1		ug/L		79	52 - 120
Anthracene	32.0	28.8		ug/L		90	55 - 124
Atrazine	32.0	32.7		ug/L		102	50 - 152
Benzaldehyde	32.0	33.9		ug/L		106	36 - 168
Benzo[a]anthracene	32.0	28.0		ug/L		88	55 - 130
Benzo[a]pyrene	32.0	28.9		ug/L		90	51 - 123
Benzo[b]fluoranthene	32.0	29.5		ug/L		92	51 - 130
Benzo[g,h,i]perylene	32.0	30.1		ug/L		94	55 - 135
Benzo[k]fluoranthene	32.0	28.4		ug/L		89	53 - 130
Bis(2-chloroethoxy)methane	32.0	26.4		ug/L		83	50 - 121
Bis(2-chloroethyl)ether	32.0	24.2		ug/L		76	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	27.2		ug/L		85	45 - 142
Butyl benzyl phthalate	32.0	26.0		ug/L		81	48 - 140
Caprolactam	32.0	6.23		ug/L		19	10 - 120
Carbazole	32.0	29.2		ug/L		91	56 - 135
Chrysene	32.0	26.0		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	28.5		ug/L		89	57 - 132
Dibenzofuran	32.0	24.4		ug/L		76	52 - 120
Diethyl phthalate	32.0	26.7		ug/L		83	51 - 127
Dimethyl phthalate	32.0	26.9		ug/L		84	40 - 136
Di-n-butyl phthalate	32.0	30.2		ug/L		94	56 - 138
Di-n-octyl phthalate	32.0	27.4		ug/L		86	45 - 135
Fluoranthene	32.0	29.6		ug/L		93	56 - 135
Fluorene	32.0	24.6		ug/L		77	52 - 124
Hexachlorobenzene	32.0	27.6		ug/L		86	49 - 127
Hexachlorobutadiene	32.0	22.2		ug/L		69	36 - 120
Hexachlorocyclopentadiene	32.0	29.2		ug/L		91	10 - 120
Hexachloroethane	32.0	22.8		ug/L		71	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	28.8		ug/L		90	55 - 134
Isophorone	32.0	28.2		ug/L		88	50 - 127
N-Nitrosodi-n-propylamine	32.0	27.8		ug/L		87	49 - 128
N-Nitrosodiphenylamine	32.0	27.2		ug/L		85	53 - 127
Naphthalene	32.0	22.8		ug/L		71	46 - 120
Nitrobenzene	32.0	27.5		ug/L		86	50 - 123
Pentachlorophenol	64.0	50.3		ug/L		79	24 - 124
Phenanthrene	32.0	26.3		ug/L		82	54 - 120
Phenol	32.0	24.1		ug/L		75	10 - 120
Pyrene	32.0	26.7		ug/L		83	53 - 135
3 & 4 Methylphenol	32.0	25.7		ug/L		80	41 - 120

QC Sample Results

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

Job ID: 240-215426-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636339/2-A
Matrix: Water
Analysis Batch: 636761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636339

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	80		43 - 136
Phenol-d5 (Surr)	77		10 - 120
Nitrobenzene-d5 (Surr)	87		40 - 120
2-Fluorophenol (Surr)	119		10 - 127
2-Fluorobiphenyl (Surr)	78		41 - 120
2,4,6-Tribromophenol (Surr)	86		23 - 127

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

Lab Sample ID: MB 240-636602/1-A
Matrix: Water
Analysis Batch: 636838

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.10	0.056	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/25/24 09:27	11/26/24 14:54	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/25/24 09:27	11/26/24 14:54	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	51		10 - 149	11/25/24 09:27	11/26/24 14:54	1
DCB Decachlorobiphenyl	53		10 - 174	11/25/24 09:27	11/26/24 14:54	1

Lab Sample ID: LCS 240-636602/2-A
Matrix: Water
Analysis Batch: 636838

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636602

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.96		ug/L		78	28 - 140
Aroclor-1260	2.50	2.00		ug/L		80	39 - 153

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	65		10 - 149
DCB Decachlorobiphenyl	55		10 - 174

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-636342/1-A
Matrix: Water
Analysis Batch: 636691

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636342

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/22/24 14:00	11/26/24 00:13	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 240-636342/1-A
Matrix: Water
Analysis Batch: 636691

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636342

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	ND		200	1.3	ug/L		11/22/24 14:00	11/26/24 00:13	1
Cadmium	ND		5.0	0.45	ug/L		11/22/24 14:00	11/26/24 00:13	1
Chromium	ND		10	0.76	ug/L		11/22/24 14:00	11/26/24 00:13	1
Copper	ND		25	3.5	ug/L		11/22/24 14:00	11/26/24 00:13	1
Lead	ND		10	2.8	ug/L		11/22/24 14:00	11/26/24 00:13	1
Selenium	ND		20	6.0	ug/L		11/22/24 14:00	11/26/24 00:13	1
Silver	ND		10	1.4	ug/L		11/22/24 14:00	11/26/24 00:13	1
Zinc	ND		50	23	ug/L		11/22/24 14:00	11/26/24 00:13	1

Lab Sample ID: LCS 240-636342/2-A
Matrix: Water
Analysis Batch: 636691

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	2000	1790		ug/L		90	80 - 120
Cadmium	1000	997		ug/L		100	80 - 120
Chromium	1000	1020		ug/L		102	80 - 120
Copper	1000	995		ug/L		100	80 - 120
Lead	1000	925		ug/L		92	80 - 120
Selenium	2000	2050		ug/L		103	80 - 120
Silver	100	101		ug/L		101	80 - 120
Zinc	1000	973		ug/L		97	80 - 120

Lab Sample ID: 240-215426-1 MS
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-7-20241120
Prep Type: Total Recoverable
Prep Batch: 636342

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Arsenic	ND		2000	2070		ug/L		104	75 - 125
Barium	55	J	2000	1900		ug/L		92	75 - 125
Cadmium	ND		1000	1020		ug/L		102	75 - 125
Chromium	2.2	J	1000	1010		ug/L		101	75 - 125
Copper	ND		1000	1010		ug/L		101	75 - 125
Lead	ND		1000	920		ug/L		92	75 - 125
Selenium	ND		2000	2110		ug/L		105	75 - 125
Silver	ND		100	105		ug/L		105	75 - 125
Zinc	ND		1000	1010		ug/L		101	75 - 125

Lab Sample ID: 240-215426-1 MSD
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-7-20241120
Prep Type: Total Recoverable
Prep Batch: 636342

Analyte	Sample	Sample	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier									
Arsenic	ND		2000	2100		ug/L		105	75 - 125	2	20
Barium	55	J	2000	1940		ug/L		94	75 - 125	2	20
Cadmium	ND		1000	1040		ug/L		104	75 - 125	2	20
Chromium	2.2	J	1000	1040		ug/L		103	75 - 125	2	20
Copper	ND		1000	1020		ug/L		102	75 - 125	1	20

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 240-215426-1 MSD
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-7-20241120
Prep Type: Total Recoverable
Prep Batch: 636342

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Lead	ND		1000	933		ug/L		93	75 - 125	1	20
Selenium	ND		2000	2130		ug/L		106	75 - 125	1	20
Silver	ND		100	106		ug/L		106	75 - 125	2	20
Zinc	ND		1000	1010		ug/L		101	75 - 125	0	20

Lab Sample ID: 240-215426-1 MS
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-7-20241120
Prep Type: Dissolved
Prep Batch: 636342

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Arsenic	ND		2000	2120		ug/L		106	75 - 125		
Barium	55	J	2000	1940		ug/L		94	75 - 125		
Cadmium	ND		1000	1050		ug/L		105	75 - 125		
Chromium	1.8	J	1000	1050		ug/L		105	75 - 125		
Copper	ND		1000	1040		ug/L		104	75 - 125		
Lead	ND		1000	941		ug/L		94	75 - 125		
Selenium	ND		2000	2150		ug/L		108	75 - 125		
Silver	ND		100	108		ug/L		108	75 - 125		
Zinc	ND		1000	1020		ug/L		102	75 - 125		

Lab Sample ID: 240-215426-1 MSD
Matrix: Water
Analysis Batch: 636691

Client Sample ID: MW-7-20241120
Prep Type: Dissolved
Prep Batch: 636342

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Arsenic	ND		2000	2090		ug/L		104	75 - 125	2	20
Barium	55	J	2000	1920		ug/L		93	75 - 125	1	20
Cadmium	ND		1000	1030		ug/L		103	75 - 125	2	20
Chromium	1.8	J	1000	1030		ug/L		103	75 - 125	2	20
Copper	ND		1000	1020		ug/L		102	75 - 125	2	20
Lead	ND		1000	927		ug/L		93	75 - 125	2	20
Selenium	ND		2000	2120		ug/L		106	75 - 125	2	20
Silver	ND		100	106		ug/L		106	75 - 125	1	20
Zinc	ND		1000	1010		ug/L		101	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-636357/1-A
Matrix: Water
Analysis Batch: 636775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636357

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.20	0.13	ug/L		11/22/24 14:00	11/25/24 16:11	1

Lab Sample ID: LCS 240-636357/2-A
Matrix: Water
Analysis Batch: 636775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636357

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
							Result
Mercury	5.00	4.95		ug/L		99	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215426-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 240-215426-1 MS
Matrix: Water
Analysis Batch: 636775

Client Sample ID: MW-7-20241120
Prep Type: Total/NA
Prep Batch: 636357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		1.00	0.958		ug/L		96	80 - 120

Lab Sample ID: 240-215426-1 MSD
Matrix: Water
Analysis Batch: 636775

Client Sample ID: MW-7-20241120
Prep Type: Total/NA
Prep Batch: 636357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.00	0.957		ug/L		96	80 - 120	0	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-636145/3
Matrix: Water
Analysis Batch: 636145

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			11/21/24 07:43	1

Lab Sample ID: LCS 240-636145/4
Matrix: Water
Analysis Batch: 636145

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	0.280		mg/L		112	85 - 115

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-636668/1-A
Matrix: Water
Analysis Batch: 636704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636668

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		11/25/24 11:19	11/25/24 12:23	1

Lab Sample ID: LCS 240-636668/2-A
Matrix: Water
Analysis Batch: 636704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636668

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.352		mg/L		108	85 - 115

Lab Sample ID: 240-215426-2 MS
Matrix: Water
Analysis Batch: 636704

Client Sample ID: MW-15-20241120
Prep Type: Total/NA
Prep Batch: 636668

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0065	J	0.0400	0.0436		mg/L		93	22 - 135

QC Sample Results

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

Job ID: 240-215426-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 240-215426-2 MSD
Matrix: Water
Analysis Batch: 636704

Client Sample ID: MW-15-20241120
Prep Type: Total/NA
Prep Batch: 636668

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0065	J	0.0400	0.0457		mg/L		98	22 - 135	5	40

Lab Sample ID: MRL 240-636704/10
Matrix: Water
Analysis Batch: 636704

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.00980	J	mg/L		98	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-582150/17
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:01	1

Lab Sample ID: MB 410-582150/33
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:41	1

Lab Sample ID: LCS 410-582150/16
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0496		mg/L		99	82 - 132

Lab Sample ID: LCS 410-582150/32
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0520		mg/L		104	82 - 132

QC Association Summary

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

Job ID: 240-215426-1

GC/MS VOA

Analysis Batch: 636737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	8260D	
240-215426-2	MW-15-20241120	Total/NA	Water	8260D	
240-215426-3	TB-3-20241120	Total/NA	Water	8260D	
MB 240-636737/10	Method Blank	Total/NA	Water	8260D	
LCS 240-636737/5	Lab Control Sample	Total/NA	Water	8260D	
240-215426-2 MS	MW-15-20241120	Total/NA	Water	8260D	
240-215426-2 MSD	MW-15-20241120	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 636339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	3510C LVI	
240-215426-2	MW-15-20241120	Total/NA	Water	3510C LVI	
MB 240-636339/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636339/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	8270E	636339
240-215426-2	MW-15-20241120	Total/NA	Water	8270E	636339
MB 240-636339/1-A	Method Blank	Total/NA	Water	8270E	636339
LCS 240-636339/2-A	Lab Control Sample	Total/NA	Water	8270E	636339

GC Semi VOA

Prep Batch: 636602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	3510C	
240-215426-2	MW-15-20241120	Total/NA	Water	3510C	
MB 240-636602/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-636602/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 636838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	8082A	636602
240-215426-2	MW-15-20241120	Total/NA	Water	8082A	636602
MB 240-636602/1-A	Method Blank	Total/NA	Water	8082A	636602
LCS 240-636602/2-A	Lab Control Sample	Total/NA	Water	8082A	636602

Metals

Prep Batch: 636342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Dissolved	Water	3005A	
240-215426-1	MW-7-20241120	Total Recoverable	Water	3005A	
240-215426-2	MW-15-20241120	Dissolved	Water	3005A	
240-215426-2	MW-15-20241120	Total Recoverable	Water	3005A	
MB 240-636342/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-636342/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-215426-1 MS	MW-7-20241120	Dissolved	Water	3005A	
240-215426-1 MS	MW-7-20241120	Total Recoverable	Water	3005A	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-215426-1

Metals (Continued)

Prep Batch: 636342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1 MSD	MW-7-20241120	Dissolved	Water	3005A	
240-215426-1 MSD	MW-7-20241120	Total Recoverable	Water	3005A	

Prep Batch: 636357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Dissolved	Water	7470A	
240-215426-1	MW-7-20241120	Total/NA	Water	7470A	
240-215426-2	MW-15-20241120	Dissolved	Water	7470A	
240-215426-2	MW-15-20241120	Total/NA	Water	7470A	
MB 240-636357/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-636357/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-215426-1 MS	MW-7-20241120	Total/NA	Water	7470A	
240-215426-1 MSD	MW-7-20241120	Total/NA	Water	7470A	

Analysis Batch: 636691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Dissolved	Water	6010D	636342
240-215426-1	MW-7-20241120	Total Recoverable	Water	6010D	636342
240-215426-2	MW-15-20241120	Dissolved	Water	6010D	636342
240-215426-2	MW-15-20241120	Total Recoverable	Water	6010D	636342
MB 240-636342/1-A	Method Blank	Total Recoverable	Water	6010D	636342
LCS 240-636342/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636342
240-215426-1 MS	MW-7-20241120	Dissolved	Water	6010D	636342
240-215426-1 MS	MW-7-20241120	Total Recoverable	Water	6010D	636342
240-215426-1 MSD	MW-7-20241120	Dissolved	Water	6010D	636342
240-215426-1 MSD	MW-7-20241120	Total Recoverable	Water	6010D	636342

Analysis Batch: 636775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Dissolved	Water	7470A	636357
240-215426-1	MW-7-20241120	Total/NA	Water	7470A	636357
240-215426-2	MW-15-20241120	Dissolved	Water	7470A	636357
240-215426-2	MW-15-20241120	Total/NA	Water	7470A	636357
MB 240-636357/1-A	Method Blank	Total/NA	Water	7470A	636357
LCS 240-636357/2-A	Lab Control Sample	Total/NA	Water	7470A	636357
240-215426-1 MS	MW-7-20241120	Total/NA	Water	7470A	636357
240-215426-1 MSD	MW-7-20241120	Total/NA	Water	7470A	636357

General Chemistry

Analysis Batch: 582150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	OIA-1677	
240-215426-2	MW-15-20241120	Total/NA	Water	OIA-1677	
MB 410-582150/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-582150/33	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-582150/16	Lab Control Sample	Total/NA	Water	OIA-1677	
LCS 410-582150/32	Lab Control Sample	Total/NA	Water	OIA-1677	

QC Association Summary

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

Job ID: 240-215426-1

General Chemistry

Analysis Batch: 636145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Dissolved	Water	7196A	
240-215426-2	MW-15-20241120	Dissolved	Water	7196A	
MB 240-636145/3	Method Blank	Total/NA	Water	7196A	
LCS 240-636145/4	Lab Control Sample	Total/NA	Water	7196A	

Prep Batch: 636668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	9012B	
240-215426-2	MW-15-20241120	Total/NA	Water	9012B	
MB 240-636668/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-636668/2-A	Lab Control Sample	Total/NA	Water	9012B	
240-215426-2 MS	MW-15-20241120	Total/NA	Water	9012B	
240-215426-2 MSD	MW-15-20241120	Total/NA	Water	9012B	

Analysis Batch: 636704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215426-1	MW-7-20241120	Total/NA	Water	9012B	636668
240-215426-2	MW-15-20241120	Total/NA	Water	9012B	636668
MB 240-636668/1-A	Method Blank	Total/NA	Water	9012B	636668
LCS 240-636668/2-A	Lab Control Sample	Total/NA	Water	9012B	636668
MRL 240-636704/10	Lab Control Sample	Total/NA	Water	9012B	
240-215426-2 MS	MW-15-20241120	Total/NA	Water	9012B	636668
240-215426-2 MSD	MW-15-20241120	Total/NA	Water	9012B	636668



Lab Chronicle

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

Job ID: 240-215426-1

Client Sample ID: MW-7-20241120

Lab Sample ID: 240-215426-1

Date Collected: 11/20/24 19:52

Matrix: Water

Date Received: 11/21/24 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636737	CS	EET CLE	11/26/24 00:08
Total/NA	Prep	3510C LVI			636339	GBS	EET CLE	11/22/24 09:01
Total/NA	Analysis	8270E		1	636761	MRU	EET CLE	11/26/24 15:24
Total/NA	Prep	3510C			636602	CR2J	EET CLE	11/25/24 09:27
Total/NA	Analysis	8082A		1	636838	LSH	EET CLE	11/26/24 15:49
Dissolved	Prep	3005A			636342	S4FJ	EET CLE	11/22/24 14:00
Dissolved	Analysis	6010D		1	636691	RKT	EET CLE	11/26/24 00:53
Total Recoverable	Prep	3005A			636342	S4FJ	EET CLE	11/22/24 14:00
Total Recoverable	Analysis	6010D		1	636691	RKT	EET CLE	11/26/24 00:22
Dissolved	Prep	7470A			636357	S4FJ	EET CLE	11/22/24 14:00
Dissolved	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 16:19
Total/NA	Prep	7470A			636357	S4FJ	EET CLE	11/22/24 14:00
Total/NA	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 16:14
Dissolved	Analysis	7196A		1	636145	AJ	EET CLE	11/21/24 12:57
Total/NA	Prep	9012B			636668	C5SV	EET CLE	11/25/24 11:19
Total/NA	Analysis	9012B		1	636704	C5SV	EET CLE	11/25/24 12:52
Total/NA	Analysis	OIA-1677		1	582150	UJE2	ELLE	12/04/24 13:33

Client Sample ID: MW-15-20241120

Lab Sample ID: 240-215426-2

Date Collected: 11/20/24 23:35

Matrix: Water

Date Received: 11/21/24 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	636737	CS	EET CLE	11/26/24 00:31
Total/NA	Prep	3510C LVI			636339	GBS	EET CLE	11/22/24 09:01
Total/NA	Analysis	8270E		1	636761	MRU	EET CLE	11/26/24 15:47
Total/NA	Prep	3510C			636602	CR2J	EET CLE	11/25/24 09:27
Total/NA	Analysis	8082A		1	636838	LSH	EET CLE	11/26/24 16:03
Dissolved	Prep	3005A			636342	S4FJ	EET CLE	11/22/24 14:00
Dissolved	Analysis	6010D		1	636691	RKT	EET CLE	11/26/24 01:19
Total Recoverable	Prep	3005A			636342	S4FJ	EET CLE	11/22/24 14:00
Total Recoverable	Analysis	6010D		1	636691	RKT	EET CLE	11/26/24 01:15
Dissolved	Prep	7470A			636357	S4FJ	EET CLE	11/22/24 14:00
Dissolved	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 16:23
Total/NA	Prep	7470A			636357	S4FJ	EET CLE	11/22/24 14:00
Total/NA	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 16:21
Dissolved	Analysis	7196A		1	636145	AJ	EET CLE	11/21/24 12:58
Total/NA	Prep	9012B			636668	C5SV	EET CLE	11/25/24 11:19
Total/NA	Analysis	9012B		1	636704	C5SV	EET CLE	11/25/24 12:54
Total/NA	Analysis	OIA-1677		1	582150	UJE2	ELLE	12/04/24 13:36

Lab Chronicle

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

Job ID: 240-215426-1

Client Sample ID: TB-3-20241120

Lab Sample ID: 240-215426-3

Date Collected: 11/20/24 00:00

Matrix: Water

Date Received: 11/21/24 12:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636737	CS	EET CLE	11/25/24 22:58

Laboratory References:

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

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

Job ID: 240-215426-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25

Accreditation/Certification Summary

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

Job ID: 240-215426-1

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
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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

Eurofins Cleveland

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

Chain of Custody Record

Client Information		Sampler: <i>Nathan Byrd</i>	Lab PM: Kalis, Nicole A	Carrier Tracking No(s):	COC No: 240-124901-43556.12										
Client Contact: Kain Lager-Lowe		Phone:	E-Mail: Nicole.Kalis@et.eurofinsus.com	State of Origin: Ohio	Page: Page 1 of 1										
Company: August Mack Environmental, Inc.		PWSID:	Analysis Requested												
Address: 7830 North Central Drive, Suite B		Due Date Requested:	Preservation Codes: N - None A - HCL B - NaOH D - HNO3												
City: Lewis Center		TAT Requested (days): <i>Standard</i>													
State, Zip: OH, 43035		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No													
Phone: 740-548-1515(Tel)		PO #:													
Email: klagerlowe@augustmack.com		WO #:													
Project Name: MSC Canfield - Groundwater		Project #: DO NOT DELETE - 24033889	Other: Special Instructions/Note:												
Site:		SSOW#:													
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/vol, BT=Trace, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Full List VOCs	8270E - SVOCs (Scan)	8082A - PCBs	8010D/7470A - Total RCRA 8, Cu & Zn	OIA-1677 - Cyanide, Free	9012B - Total Cyanide	6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)	7196A - Diss. Hexavalent Chromium - Field Filter	Total Number of containers
			Preservation Code:				A	N	N	D	B	B	D	N	
<i>MW-7-20241120</i>	<i>11/20/24</i>	<i>1952</i>	<i>G</i>	<i>Water</i>	<i>N</i>	<i>X</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>1</i>	<i>1</i>			<i>10</i>
<i>MW-7-20241120-DISS</i>	<i>11/20/24</i>	<i>1952</i>	<i>G</i>	<i>Water</i>	<i>Y</i>								<i>1</i>	<i>1</i>	<i>2</i>
<i>MW-15-20241120</i>	<i>11/20/24</i>	<i>2335</i>	<i>G</i>	<i>Water</i>	<i>N</i>	<i>X</i>	<i>3</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>1</i>	<i>1</i>			<i>10</i>
<i>MW-15-20241120-DISS</i>	<i>11/20/24</i>	<i>2335</i>	<i>G</i>	<i>Water</i>	<i>Y</i>								<i>1</i>	<i>1</i>	<i>10</i>
<i>TB-3-20241120</i>	<i>11/20/24</i>	<i>/</i>	<i>G</i>	<i>Water</i>	<i>Y</i>	<i>X</i>	<i>3</i>								<i>10</i>
				<i>Water</i>											
				<i>Water</i>											
				<i>Water</i>											
				<i>Water</i>											
				<i>Water</i>											
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, (U) III, IV, Other (specify)		Special Instructions/QC Requirements: Add "-DISS" suffix to samples that are field filtered.													
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:											
Relinquished by: <i>Tyler Reynolds</i>		Date/Time: <i>11/21/24 1105</i>	Company: <i>AME</i>	Received by: <i>[Signature]</i>		Date/Time: <i>11/21/24 1105</i>	Company: <i>EUR</i>								
Relinquished by: <i>[Signature]</i>		Date/Time: <i>11/21/24 1214</i>	Company: <i>EUR</i>	Received by: <i>MELISSA LOAR</i>		Date/Time: <i>11-21-24 10:15</i>	Company: <i>EUR</i>								
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:								
Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:													
<input type="checkbox"/> Yes <input type="checkbox"/> No															



Eurofins - Cleveland Sample Receipt Form/Narrative
Barberton Facility

Login # : _____

Client August Mack Site Name _____
Cooler Received on 11/21/21 Opened on 11/21/21

Cooler unpacked by:
MALISSA LOAR

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hour/Drop-off/Date/Time _____ Storage Location _____

Eurofins Cooler # 22 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 # 17 (or 10.1°C) Observed Cooler Temp 2.6 °C Corrected Cooler Temp. 2.7 °C

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No N/A
 -Were the seals on the outside of the cooler(s) signed & dated? Yes No N/A
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No N/A
 -Were tamper/custody seals intact and uncompromised? Yes No N/A
 3. Shippers' packing slip attached to the cooler(s)? Yes No N/A
 4. Did custody papers accompany the sample(s)? Yes No N/A
 5. Were the custody papers relinquished & signed in the appropriate place? Yes No N/A
 6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No N/A
 7. Did all bottles arrive in good condition (Unbroken)? Yes No N/A
 8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No N/A
 9. For each sample, does the COC specify preservative(s) (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 N/A
 11. Sufficient quantity received to perform indicated analyses? Yes No N/A
 12. Are these work share samples and all listed on the COC? Yes No N/A
 13. If yes, Questions 13-17 have been checked at the originating laboratory.
 14. Were all preserved sample(s) at the correct pH upon receipt? Yes No N/A
 15. Were VOA's on the COC? Yes No N/A
 16. Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No N/A
 17. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No N/A
 17. Was a LL Hg or Me Hg trip blank present? Yes No N/A
- Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

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

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: _____



Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservation Temp</u>	<u>Preservation Added</u>	<u>Preservation Lot Number</u>
MMW-7-20241120	240-215426-A-1	Voa Vial 40ml - Hydrochloric Acid				
MMW-7-20241120	240-215426-B-1	Voa Vial 40ml - Hydrochloric Acid				
MMW-7-20241120	240-215426-C-1	Voa Vial 40ml - Hydrochloric Acid				
MMW-7-20241120	240-215426-D-1	Amber Plastic 125 mL - NaOH	>12			
MMW-7-20241120	240-215426-E-1	Amber Glass 250ml - unpreserved				
MMW-7-20241120	240-215426-F-1	Amber Glass 250ml - unpreserved				
MMW-7-20241120	240-215426-G-1	Plastic 250ml - with Sodium Hydroxide	>12			
MMW-7-20241120	240-215426-H-1	Plastic 500ml - with Nitric Acid	<2			
MMW-7-20241120	240-215426-I-1	Amber Glass 1 liter - unpreserved				
MMW-7-20241120	240-215426-J-1	Amber Glass 1 liter - unpreserved				
MMW-7-20241120	240-215426-K-1	Plastic 500 mL - unpreserved - dis				
MMW-7-20241120	240-215426-L-1	Plastic 500ml - w/ Nitric - Dis.	<2			
MMW-15-20241120	240-215426-A-2	Voa Vial 40ml - Hydrochloric Acid				
MMW-15-20241120	240-215426-B-2	Voa Vial 40ml - Hydrochloric Acid				
MMW-15-20241120	240-215426-C-2	Voa Vial 40ml - Hydrochloric Acid				
MMW-15-20241120	240-215426-D-2	Amber Plastic 125 mL - NaOH	>12			
MMW-15-20241120	240-215426-E-2	Amber Glass 250ml - unpreserved				
MMW-15-20241120	240-215426-F-2	Amber Glass 250ml - unpreserved				
MMW-15-20241120	240-215426-G-2	Plastic 250ml - with Sodium Hydroxide	>12			
MMW-15-20241120	240-215426-H-2	Plastic 500ml - with Nitric Acid	<2			
MMW-15-20241120	240-215426-I-2	Amber Glass 1 liter - unpreserved				
MMW-15-20241120	240-215426-J-2	Amber Glass 1 liter - unpreserved				
MMW-15-20241120	240-215426-K-2	Plastic 500 mL - unpreserved - dis				
MMW-15-20241120	240-215426-L-2	Plastic 500ml - w/ Nitric - Dis.	<2			
TB-3-20241120	240-215426-A-3	Voa Vial 40ml - Hydrochloric Acid				
TB-3-20241120	240-215426-B-3	Voa Vial 40ml - Hydrochloric Acid				
TB-3-20241120	240-215426-C-3	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kalis, Nicole A		Carrier Tracking No(s): N/A		COC No: 240-194358.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofins.com		State of Origin: Ohio		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-215426-1			
Address: 2425 New Holland Pike, Lancaster PA, 17601		Due Date Requested: 12/9/2024		Analysis Requested						Preservation Codes:	
City: Lancaster		TAT Requested (days): N/A									
State, Zip: PA, 17601		PO #: N/A									
Phone: 717-656-2300(Tel)		WO #: N/A									
Email: N/A		Project #: 24033889									
Project Name: MSC Canfield		SSOW#: N/A		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Site: N/A								Other: N/A			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, G=grab)	BT=Tissue, A=Air	1677_Freel Cyanide, Free	Special Instructions/Note:			
MW-7-20241120 (240-215426-1)		11/20/24	19:52 Eastern	G	Water		X	1	Use caution! Site contaminated with solvent waste		
MW-15-20241120 (240-215426-2)		11/20/24	23:35 Eastern	G	Water		X	1	Use caution! Site contaminated with solvent waste		
<p>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 listed above for analysis/test/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.</p>											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:					
Relinquished by: MALISSA LOAR		Date/Time: 11-22-24		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:			
Relinquished by:		Date/Time:		Company:		Received by: [Signature]		Date/Time: 11/23/24 9:30			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 10.0 cor: 0.8							



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-215426-1

Login Number: 215426

List Number: 2

Creator: Foreman, Kai

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 11/23/24 11:02 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required (<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/13/2024 8:48:53 AM

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-215515-1

Eurofins Cleveland

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
12/13/2024 8:48:53 AM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Client Sample Results	9
Surrogate Summary	15
QC Sample Results	16
QC Association Summary	31
Lab Chronicle	34
Certification Summary	35
Chain of Custody	37
Receipt Checklists	41

Definitions/Glossary

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

Job ID: 240-215515-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

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.

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-215515-1

Job ID: 240-215515-1

Eurofins Cleveland

Job Narrative 240-215515-1

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 11/22/2024 8:00 AM. 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 1.5°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636698 was outside the method criteria for the following analyte(s): 1,2-Dichloropropane, Bromomethane, Chloromethane, Dichlorodifluoromethane and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 240-636939 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636939 was outside the method criteria for the following analyte(s): Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

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

GC/MS Semi VOA

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636626.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636931 recovered outside acceptance criteria, low biased, for Phenol and 3 & 4 Methylphenol. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analytes, the data were reported.

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

PCBs

Method 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636613.

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

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.

Eurofins Cleveland

Method Summary

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

Job ID: 240-215515-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-215515-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
240-215515-1	MW-12-20241121	Water	11/21/24 10:33	11/22/24 08:00
240-215515-3	TB-4-20241121	Water	11/21/24 10:33	11/22/24 08:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-215515-1

Client Sample ID: MW-12-20241121

Lab Sample ID: 240-215515-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	150	F1	5.0	2.2	ug/L	5			8260D	Total/NA
Barium	20	J	200	1.3	ug/L	1			6010D	Total
Chromium	1.3	J	10	0.76	ug/L	1			6010D	Total
Barium	20	J	200	1.3	ug/L	1			6010D	Recoverable
Chromium	0.85	J	10	0.76	ug/L	1			6010D	Dissolved

Client Sample ID: TB-4-20241121

Lab Sample ID: 240-215515-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland



Client Sample Results

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

Job ID: 240-215515-1

Client Sample ID: MW-12-20241121

Lab Sample ID: 240-215515-1

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	2.4	ug/L			11/28/24 02:20	5
1,1,1,2-Tetrachloroethane	ND	F2	5.0	3.0	ug/L			11/28/24 02:20	5
1,1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.1	ug/L			11/28/24 02:20	5
1,1,2-Trichloroethane	ND		5.0	2.4	ug/L			11/28/24 02:20	5
1,1-Dichloroethane	ND		5.0	2.4	ug/L			11/28/24 02:20	5
1,1-Dichloroethene	ND		5.0	2.5	ug/L			11/28/24 02:20	5
1,2,4-Trichlorobenzene	ND		5.0	3.9	ug/L			11/28/24 02:20	5
1,2-Dibromo-3-Chloropropane	ND		10	4.6	ug/L			11/28/24 02:20	5
Ethylene Dibromide	ND		5.0	2.1	ug/L			11/28/24 02:20	5
1,2-Dichlorobenzene	ND	F2	5.0	2.4	ug/L			11/28/24 02:20	5
1,2-Dichloroethane	ND		5.0	2.3	ug/L			11/28/24 02:20	5
1,2-Dichloropropane	ND		5.0	2.4	ug/L			11/28/24 02:20	5
1,3-Dichlorobenzene	ND	F2	5.0	2.3	ug/L			11/28/24 02:20	5
1,4-Dichlorobenzene	ND		5.0	2.1	ug/L			11/28/24 02:20	5
2-Butanone (MEK)	ND		50	5.8	ug/L			11/28/24 02:20	5
2-Hexanone	ND		50	5.6	ug/L			11/28/24 02:20	5
4-Methyl-2-pentanone (MIBK)	ND		50	5.0	ug/L			11/28/24 02:20	5
Acetone	ND		50	27	ug/L			11/28/24 02:20	5
Benzene	ND		5.0	2.1	ug/L			11/28/24 02:20	5
Dichlorobromomethane	ND		5.0	1.9	ug/L			11/28/24 02:20	5
Bromoform	ND		5.0	3.8	ug/L			11/28/24 02:20	5
Bromomethane	ND		5.0	2.1	ug/L			11/28/24 02:20	5
Carbon disulfide	ND		5.0	3.0	ug/L			11/28/24 02:20	5
Carbon tetrachloride	ND		5.0	1.3	ug/L			11/28/24 02:20	5
Chlorobenzene	ND		5.0	1.9	ug/L			11/28/24 02:20	5
Chloroethane	ND		5.0	4.2	ug/L			11/28/24 02:20	5
Chloroform	ND		5.0	2.4	ug/L			11/28/24 02:20	5
Chloromethane	ND		5.0	3.2	ug/L			11/28/24 02:20	5
cis-1,2-Dichloroethene	ND		5.0	2.3	ug/L			11/28/24 02:20	5
cis-1,3-Dichloropropene	ND		5.0	3.1	ug/L			11/28/24 02:20	5
Cyclohexane	ND		5.0	2.4	ug/L			11/28/24 02:20	5
Chlorodibromomethane	ND		5.0	2.0	ug/L			11/28/24 02:20	5
Dichlorodifluoromethane	ND		5.0	1.8	ug/L			11/28/24 02:20	5
Ethylbenzene	ND		5.0	2.1	ug/L			11/28/24 02:20	5
Isopropylbenzene	ND		5.0	2.5	ug/L			11/28/24 02:20	5
Methyl acetate	ND		50	8.6	ug/L			11/28/24 02:20	5
Methyl tert-butyl ether	ND		5.0	2.4	ug/L			11/28/24 02:20	5
Methylcyclohexane	ND		5.0	1.7	ug/L			11/28/24 02:20	5
Methylene Chloride	ND		25	13	ug/L			11/28/24 02:20	5
Styrene	ND		5.0	2.3	ug/L			11/28/24 02:20	5
Tetrachloroethene	ND		5.0	2.2	ug/L			11/28/24 02:20	5
Toluene	ND		5.0	2.2	ug/L			11/28/24 02:20	5
trans-1,2-Dichloroethene	ND		5.0	2.6	ug/L			11/28/24 02:20	5
trans-1,3-Dichloropropene	ND		5.0	3.4	ug/L			11/28/24 02:20	5
Trichloroethene	150	F1	5.0	2.2	ug/L			11/28/24 02:20	5
Trichlorofluoromethane	ND		5.0	2.3	ug/L			11/28/24 02:20	5
Vinyl chloride	ND		5.0	2.3	ug/L			11/28/24 02:20	5
Xylenes, Total	ND		10	2.1	ug/L			11/28/24 02:20	5

Client Sample Results

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

Job ID: 240-215515-1

Client Sample ID: MW-12-20241121

Lab Sample ID: 240-215515-1

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		78 - 122		11/28/24 02:20	5
Dibromofluoromethane (Surr)	105		73 - 120		11/28/24 02:20	5
4-Bromofluorobenzene (Surr)	84		56 - 136		11/28/24 02:20	5
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		11/28/24 02:20	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/25/24 09:58	11/27/24 14:11	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/25/24 09:58	11/27/24 14:11	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/25/24 09:58	11/27/24 14:11	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/25/24 09:58	11/27/24 14:11	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/25/24 09:58	11/27/24 14:11	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/25/24 09:58	11/27/24 14:11	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/25/24 09:58	11/27/24 14:11	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/25/24 09:58	11/27/24 14:11	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/25/24 09:58	11/27/24 14:11	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/25/24 09:58	11/27/24 14:11	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/25/24 09:58	11/27/24 14:11	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/25/24 09:58	11/27/24 14:11	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/25/24 09:58	11/27/24 14:11	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/25/24 09:58	11/27/24 14:11	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/25/24 09:58	11/27/24 14:11	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/25/24 09:58	11/27/24 14:11	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/25/24 09:58	11/27/24 14:11	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/25/24 09:58	11/27/24 14:11	1
Acenaphthene	ND		0.19	0.17	ug/L		11/25/24 09:58	11/27/24 14:11	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/25/24 09:58	11/27/24 14:11	1
Acetophenone	ND		0.96	0.35	ug/L		11/25/24 09:58	11/27/24 14:11	1
Anthracene	ND		0.19	0.13	ug/L		11/25/24 09:58	11/27/24 14:11	1
Atrazine	ND		1.9	0.92	ug/L		11/25/24 09:58	11/27/24 14:11	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/25/24 09:58	11/27/24 14:11	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/25/24 09:58	11/27/24 14:11	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/25/24 09:58	11/27/24 14:11	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:11	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/25/24 09:58	11/27/24 14:11	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/25/24 09:58	11/27/24 14:11	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/25/24 09:58	11/27/24 14:11	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/25/24 09:58	11/27/24 14:11	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/25/24 09:58	11/27/24 14:11	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/25/24 09:58	11/27/24 14:11	1
Caprolactam	ND		4.8	3.7	ug/L		11/25/24 09:58	11/27/24 14:11	1
Carbazole	ND		0.96	0.47	ug/L		11/25/24 09:58	11/27/24 14:11	1
Chrysene	ND		0.19	0.063	ug/L		11/25/24 09:58	11/27/24 14:11	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:11	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215515-1

Client Sample ID: MW-12-20241121

Lab Sample ID: 240-215515-1

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/25/24 09:58	11/27/24 14:11	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/25/24 09:58	11/27/24 14:11	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/25/24 09:58	11/27/24 14:11	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/25/24 09:58	11/27/24 14:11	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/25/24 09:58	11/27/24 14:11	1
Fluoranthene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:11	1
Fluorene	ND		0.19	0.076	ug/L		11/25/24 09:58	11/27/24 14:11	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:11	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/25/24 09:58	11/27/24 14:11	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/25/24 09:58	11/27/24 14:11	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/25/24 09:58	11/27/24 14:11	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/25/24 09:58	11/27/24 14:11	1
Isophorone	ND		0.96	0.31	ug/L		11/25/24 09:58	11/27/24 14:11	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/25/24 09:58	11/27/24 14:11	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/25/24 09:58	11/27/24 14:11	1
Naphthalene	ND		0.19	0.10	ug/L		11/25/24 09:58	11/27/24 14:11	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/25/24 09:58	11/27/24 14:11	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/25/24 09:58	11/27/24 14:11	1
Phenanthrene	ND		0.19	0.077	ug/L		11/25/24 09:58	11/27/24 14:11	1
Phenol	ND		0.96	0.39	ug/L		11/25/24 09:58	11/27/24 14:11	1
Pyrene	ND		0.19	0.080	ug/L		11/25/24 09:58	11/27/24 14:11	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/25/24 09:58	11/27/24 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	83		43 - 136	11/25/24 09:58	11/27/24 14:11	1
Phenol-d5 (Surr)	68		10 - 120	11/25/24 09:58	11/27/24 14:11	1
Nitrobenzene-d5 (Surr)	76		40 - 120	11/25/24 09:58	11/27/24 14:11	1
2-Fluorophenol (Surr)	66		10 - 127	11/25/24 09:58	11/27/24 14:11	1
2-Fluorobiphenyl (Surr)	75		41 - 120	11/25/24 09:58	11/27/24 14:11	1
2,4,6-Tribromophenol (Surr)	112		23 - 127	11/25/24 09:58	11/27/24 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.099	0.055	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1221	ND		0.099	0.056	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1232	ND		0.099	0.073	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1242	ND		0.099	0.075	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1248	ND		0.099	0.050	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1254	ND		0.099	0.040	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1260	ND		0.099	0.046	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1262	ND		0.099	0.057	ug/L		11/25/24 09:46	11/26/24 16:32	1
Aroclor-1268	ND		0.099	0.061	ug/L		11/25/24 09:46	11/26/24 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	52		10 - 149	11/25/24 09:46	11/26/24 16:32	1
DCB Decachlorobiphenyl	49		10 - 174	11/25/24 09:46	11/26/24 16:32	1

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		11/25/24 14:00	11/26/24 13:19	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215515-1

Client Sample ID: MW-12-20241121

Lab Sample ID: 240-215515-1

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	20	J	200	1.3	ug/L		11/25/24 14:00	11/26/24 13:19	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 13:19	1
Chromium	1.3	J	10	0.76	ug/L		11/25/24 14:00	11/26/24 13:19	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 13:19	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 13:19	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 13:19	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 13:19	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/25/24 14:00	11/26/24 12:03	1
Barium	20	J	200	1.3	ug/L		11/25/24 14:00	11/26/24 12:03	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 12:03	1
Chromium	0.85	J	10	0.76	ug/L		11/25/24 14:00	11/26/24 12:03	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 12:03	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 12:03	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 12:03	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 12:03	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 12:03	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		11/25/24 14:00	11/25/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/25/24 14:00	11/25/24 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.25	0.15	mg/L		12/02/24 15:04	12/02/24 17:46	25
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/04/24 14:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			11/22/24 09:07	1

Client Sample Results

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

Job ID: 240-215515-1

Client Sample ID: TB-4-20241121

Lab Sample ID: 240-215515-3

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/26/24 06:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/26/24 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/26/24 06:24	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/26/24 06:24	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/26/24 06:24	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/26/24 06:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/26/24 06:24	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/26/24 06:24	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/26/24 06:24	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/26/24 06:24	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/26/24 06:24	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/26/24 06:24	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/26/24 06:24	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/26/24 06:24	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/26/24 06:24	1
2-Hexanone	ND		10	1.1	ug/L			11/26/24 06:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/26/24 06:24	1
Acetone	ND		10	5.4	ug/L			11/26/24 06:24	1
Benzene	ND		1.0	0.42	ug/L			11/26/24 06:24	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/26/24 06:24	1
Bromoform	ND		1.0	0.76	ug/L			11/26/24 06:24	1
Bromomethane	ND		1.0	0.42	ug/L			11/26/24 06:24	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/26/24 06:24	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/26/24 06:24	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/26/24 06:24	1
Chloroethane	ND		1.0	0.83	ug/L			11/26/24 06:24	1
Chloroform	ND		1.0	0.47	ug/L			11/26/24 06:24	1
Chloromethane	ND		1.0	0.63	ug/L			11/26/24 06:24	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/26/24 06:24	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/26/24 06:24	1
Cyclohexane	ND		1.0	0.48	ug/L			11/26/24 06:24	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/26/24 06:24	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/26/24 06:24	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/26/24 06:24	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/26/24 06:24	1
Methyl acetate	ND		10	1.7	ug/L			11/26/24 06:24	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/26/24 06:24	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/26/24 06:24	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/26/24 06:24	1
Styrene	ND		1.0	0.45	ug/L			11/26/24 06:24	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/26/24 06:24	1
Toluene	ND		1.0	0.44	ug/L			11/26/24 06:24	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/26/24 06:24	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/26/24 06:24	1
Trichloroethene	ND		1.0	0.44	ug/L			11/26/24 06:24	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/26/24 06:24	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/26/24 06:24	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/26/24 06:24	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215515-1

Client Sample ID: TB-4-20241121

Lab Sample ID: 240-215515-3

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	100		78 - 122		11/26/24 06:24	1
Dibromofluoromethane (Surr)	95		73 - 120		11/26/24 06:24	1
4-Bromofluorobenzene (Surr)	95		56 - 136		11/26/24 06:24	1
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		11/26/24 06:24	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-215515-1	MW-12-20241121	99	105	84	120
240-215515-1 MS	MW-12-20241121	97	105	102	116
240-215515-1 MSD	MW-12-20241121	91	95	90	105
240-215515-3	TB-4-20241121	100	95	95	105
LCS 240-636698/4	Lab Control Sample	103	93	103	99
LCS 240-636939/4	Lab Control Sample	94	97	92	103
MB 240-636698/7	Method Blank	101	94	101	105
MB 240-636939/9	Method Blank	97	99	80	114

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-215515-1	MW-12-20241121	83	68	76	66	75	112
LCS 240-636626/2-A	Lab Control Sample	81	56	76	85	76	105
MB 240-636626/1-A	Method Blank	67	47	60	51	77	103

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (10-149)	DCBP2 (10-174)
240-215515-1	MW-12-20241121	52	49
LCS 240-636613/2-A	Lab Control Sample	61	60
MB 240-636613/1-A	Method Blank	53	63

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636698/7

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 22:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/25/24 22:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/25/24 22:46	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/25/24 22:46	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/25/24 22:46	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/25/24 22:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/25/24 22:46	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/25/24 22:46	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/25/24 22:46	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/25/24 22:46	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/25/24 22:46	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/25/24 22:46	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/25/24 22:46	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/25/24 22:46	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/25/24 22:46	1
2-Hexanone	ND		10	1.1	ug/L			11/25/24 22:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/25/24 22:46	1
Acetone	ND		10	5.4	ug/L			11/25/24 22:46	1
Benzene	ND		1.0	0.42	ug/L			11/25/24 22:46	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/25/24 22:46	1
Bromoform	ND		1.0	0.76	ug/L			11/25/24 22:46	1
Bromomethane	ND		1.0	0.42	ug/L			11/25/24 22:46	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/25/24 22:46	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/25/24 22:46	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/25/24 22:46	1
Chloroethane	ND		1.0	0.83	ug/L			11/25/24 22:46	1
Chloroform	ND		1.0	0.47	ug/L			11/25/24 22:46	1
Chloromethane	ND		1.0	0.63	ug/L			11/25/24 22:46	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/25/24 22:46	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/25/24 22:46	1
Cyclohexane	ND		1.0	0.48	ug/L			11/25/24 22:46	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/25/24 22:46	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/25/24 22:46	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/25/24 22:46	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/25/24 22:46	1
Methyl acetate	ND		10	1.7	ug/L			11/25/24 22:46	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/25/24 22:46	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/25/24 22:46	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/25/24 22:46	1
Styrene	ND		1.0	0.45	ug/L			11/25/24 22:46	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/25/24 22:46	1
Toluene	ND		1.0	0.44	ug/L			11/25/24 22:46	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/25/24 22:46	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/25/24 22:46	1
Trichloroethene	ND		1.0	0.44	ug/L			11/25/24 22:46	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/25/24 22:46	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/25/24 22:46	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/25/24 22:46	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636698/7

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	101		78 - 122		11/25/24 22:46	1
Dibromofluoromethane (Surr)	94		73 - 120		11/25/24 22:46	1
4-Bromofluorobenzene (Surr)	101		56 - 136		11/25/24 22:46	1
1,2-Dichloroethane-d4 (Surr)	105		62 - 137		11/25/24 22:46	1

Lab Sample ID: LCS 240-636698/4

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.4		ug/L		93	51 - 146
1,1,2-Trichloroethane	25.0	22.9		ug/L		91	70 - 138
1,1-Dichloroethane	25.0	29.4		ug/L		118	72 - 127
1,1-Dichloroethene	25.0	24.5		ug/L		98	63 - 134
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		94	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	53 - 135
Ethylene Dibromide	25.0	25.5		ug/L		102	71 - 134
1,2-Dichlorobenzene	25.0	21.7		ug/L		87	78 - 120
1,2-Dichloroethane	25.0	26.6		ug/L		107	66 - 128
1,2-Dichloropropane	25.0	32.0		ug/L		128	75 - 133
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
1,4-Dichlorobenzene	25.0	22.0		ug/L		88	80 - 120
2-Butanone (MEK)	50.0	61.3		ug/L		123	54 - 156
2-Hexanone	50.0	62.5		ug/L		125	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	62.0		ug/L		124	46 - 158
Acetone	50.0	60.4		ug/L		121	50 - 149
Benzene	25.0	25.7		ug/L		103	77 - 123
Dichlorobromomethane	25.0	24.1		ug/L		96	69 - 126
Bromoform	25.0	23.7		ug/L		95	57 - 129
Bromomethane	12.5	12.7		ug/L		102	36 - 142
Carbon disulfide	25.0	28.7		ug/L		115	43 - 140
Carbon tetrachloride	25.0	25.9		ug/L		103	55 - 137
Chlorobenzene	25.0	22.9		ug/L		92	80 - 121
Chloroethane	12.5	11.9		ug/L		95	38 - 152
Chloroform	25.0	23.9		ug/L		95	74 - 122
Chloromethane	12.5	15.9		ug/L		127	47 - 143
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	77 - 123
cis-1,3-Dichloropropene	25.0	27.1		ug/L		108	64 - 130
Cyclohexane	25.0	34.1		ug/L		136	58 - 146
Chlorodibromomethane	25.0	24.5		ug/L		98	70 - 124
Dichlorodifluoromethane	12.5	6.95		ug/L		56	34 - 153
Ethylbenzene	25.0	26.2		ug/L		105	80 - 121
Isopropylbenzene	25.0	28.5		ug/L		114	74 - 128
Methyl acetate	50.0	55.4		ug/L		111	42 - 169
Methyl tert-butyl ether	25.0	26.4		ug/L		106	65 - 126
Methylcyclohexane	25.0	27.3		ug/L		109	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636698/4

Matrix: Water

Analysis Batch: 636698

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	27.2		ug/L		109	71 - 125
Styrene	25.0	25.8		ug/L		103	80 - 135
Tetrachloroethene	25.0	23.7		ug/L		95	76 - 123
Toluene	25.0	23.9		ug/L		95	80 - 123
trans-1,2-Dichloroethene	25.0	23.4		ug/L		93	75 - 124
trans-1,3-Dichloropropene	25.0	27.9		ug/L		112	57 - 129
Trichloroethene	25.0	23.2		ug/L		93	70 - 122
Trichlorofluoromethane	12.5	7.30		ug/L		58	30 - 170
Vinyl chloride	12.5	12.4		ug/L		99	60 - 144
Xylenes, Total	50.0	53.1		ug/L		106	80 - 121
m-Xylene & p-Xylene	25.0	26.1		ug/L		104	80 - 120
o-Xylene	25.0	27.0		ug/L		108	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		78 - 122
Dibromofluoromethane (Surr)	93		73 - 120
4-Bromofluorobenzene (Surr)	103		56 - 136
1,2-Dichloroethane-d4 (Surr)	99		62 - 137

Lab Sample ID: MB 240-636939/9

Matrix: Water

Analysis Batch: 636939

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/27/24 21:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/27/24 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/27/24 21:18	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/27/24 21:18	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/27/24 21:18	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/27/24 21:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/27/24 21:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/27/24 21:18	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/27/24 21:18	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/27/24 21:18	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/27/24 21:18	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/27/24 21:18	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/27/24 21:18	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/27/24 21:18	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/27/24 21:18	1
2-Hexanone	ND		10	1.1	ug/L			11/27/24 21:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/27/24 21:18	1
Acetone	ND		10	5.4	ug/L			11/27/24 21:18	1
Benzene	ND		1.0	0.42	ug/L			11/27/24 21:18	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/27/24 21:18	1
Bromoforn	ND		1.0	0.76	ug/L			11/27/24 21:18	1
Bromomethane	ND		1.0	0.42	ug/L			11/27/24 21:18	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/27/24 21:18	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/27/24 21:18	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636939/9

Matrix: Water

Analysis Batch: 636939

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobenzene	ND		1.0	0.38	ug/L			11/27/24 21:18	1
Chloroethane	ND		1.0	0.83	ug/L			11/27/24 21:18	1
Chloroform	ND		1.0	0.47	ug/L			11/27/24 21:18	1
Chloromethane	ND		1.0	0.63	ug/L			11/27/24 21:18	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/27/24 21:18	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/27/24 21:18	1
Cyclohexane	ND		1.0	0.48	ug/L			11/27/24 21:18	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/27/24 21:18	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/27/24 21:18	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/27/24 21:18	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/27/24 21:18	1
Methyl acetate	ND		10	1.7	ug/L			11/27/24 21:18	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/27/24 21:18	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/27/24 21:18	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/27/24 21:18	1
Styrene	ND		1.0	0.45	ug/L			11/27/24 21:18	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/27/24 21:18	1
Toluene	ND		1.0	0.44	ug/L			11/27/24 21:18	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/27/24 21:18	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/27/24 21:18	1
Trichloroethene	ND		1.0	0.44	ug/L			11/27/24 21:18	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/27/24 21:18	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/27/24 21:18	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/27/24 21:18	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	97		78 - 122		11/27/24 21:18	1
Dibromofluoromethane (Surr)	99		73 - 120		11/27/24 21:18	1
4-Bromofluorobenzene (Surr)	80		56 - 136		11/27/24 21:18	1
1,2-Dichloroethane-d4 (Surr)	114		62 - 137		11/27/24 21:18	1

Lab Sample ID: LCS 240-636939/4

Matrix: Water

Analysis Batch: 636939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		96	51 - 146
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	70 - 138
1,1-Dichloroethane	25.0	23.7		ug/L		95	72 - 127
1,1-Dichloroethene	25.0	22.6		ug/L		90	63 - 134
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	44 - 147
1,2-Dibromo-3-Chloropropane	25.0	17.0		ug/L		68	53 - 135
Ethylene Dibromide	25.0	24.5		ug/L		98	71 - 134
1,2-Dichlorobenzene	25.0	23.4		ug/L		93	78 - 120
1,2-Dichloroethane	25.0	25.4		ug/L		102	66 - 128
1,2-Dichloropropane	25.0	21.8		ug/L		87	75 - 133

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636939/4

Matrix: Water

Analysis Batch: 636939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	50.0	45.8		ug/L		92	54 - 156
2-Hexanone	50.0	51.6		ug/L		103	43 - 167
4-Methyl-2-pentanone (MIBK)	50.0	49.5		ug/L		99	46 - 158
Acetone	50.0	55.2		ug/L		110	50 - 149
Benzene	25.0	24.1		ug/L		96	77 - 123
Dichlorobromomethane	25.0	22.4		ug/L		89	69 - 126
Bromoform	25.0	17.8		ug/L		71	57 - 129
Bromomethane	12.5	15.1		ug/L		120	36 - 142
Carbon disulfide	25.0	18.7		ug/L		75	43 - 140
Carbon tetrachloride	25.0	23.7		ug/L		95	55 - 137
Chlorobenzene	25.0	24.6		ug/L		98	80 - 121
Chloroethane	12.5	12.0		ug/L		96	38 - 152
Chloroform	25.0	24.3		ug/L		97	74 - 122
Chloromethane	12.5	12.2		ug/L		97	47 - 143
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	77 - 123
cis-1,3-Dichloropropene	25.0	20.7		ug/L		83	64 - 130
Cyclohexane	25.0	22.5		ug/L		90	58 - 146
Chlorodibromomethane	25.0	21.6		ug/L		86	70 - 124
Dichlorodifluoromethane	12.5	12.8		ug/L		102	34 - 153
Ethylbenzene	25.0	24.0		ug/L		96	80 - 121
Isopropylbenzene	25.0	27.3		ug/L		109	74 - 128
Methyl acetate	50.0	44.9		ug/L		90	42 - 169
Methyl tert-butyl ether	25.0	23.6		ug/L		94	65 - 126
Methylcyclohexane	25.0	22.1		ug/L		88	62 - 136
Methylene Chloride	25.0	22.2		ug/L		89	71 - 125
Styrene	25.0	24.6		ug/L		98	80 - 135
Tetrachloroethene	25.0	24.9		ug/L		100	76 - 123
Toluene	25.0	23.7		ug/L		95	80 - 123
trans-1,2-Dichloroethene	25.0	22.8		ug/L		91	75 - 124
trans-1,3-Dichloropropene	25.0	22.6		ug/L		91	57 - 129
Trichloroethene	25.0	23.8		ug/L		95	70 - 122
Trichlorofluoromethane	12.5	15.5		ug/L		124	30 - 170
Vinyl chloride	12.5	13.8		ug/L		111	60 - 144
Xylenes, Total	50.0	48.7		ug/L		97	80 - 121
m-Xylene & p-Xylene	25.0	24.2		ug/L		97	80 - 120
o-Xylene	25.0	24.5		ug/L		98	80 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	97		73 - 120
4-Bromofluorobenzene (Surr)	92		56 - 136
1,2-Dichloroethane-d4 (Surr)	103		62 - 137

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215515-1 MS

Matrix: Water

Analysis Batch: 636939

Client Sample ID: MW-12-20241121

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier			Limits	
1,1,1-Trichloroethane	ND		125	107		ug/L		86	60 - 130
1,1,2,2-Tetrachloroethane	ND	F2	125	118		ug/L		94	54 - 145
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	100		ug/L		80	41 - 147
1,1,2-Trichloroethane	ND		125	119		ug/L		95	69 - 131
1,1-Dichloroethane	ND		125	121		ug/L		96	68 - 125
1,1-Dichloroethene	ND		125	104		ug/L		83	56 - 135
1,2,4-Trichlorobenzene	ND		125	98.2		ug/L		79	29 - 156
1,2-Dibromo-3-Chloropropane	ND		125	85.8		ug/L		69	41 - 129
Ethylene Dibromide	ND		125	117		ug/L		94	69 - 125
1,2-Dichlorobenzene	ND	F2	125	104		ug/L		84	73 - 120
1,2-Dichloroethane	ND		125	133		ug/L		106	63 - 126
1,2-Dichloropropane	ND		125	107		ug/L		86	69 - 130
1,3-Dichlorobenzene	ND	F2	125	102		ug/L		82	73 - 120
1,4-Dichlorobenzene	ND		125	101		ug/L		81	74 - 120
2-Butanone (MEK)	ND		250	269		ug/L		107	40 - 151
2-Hexanone	ND		250	258		ug/L		103	35 - 156
4-Methyl-2-pentanone (MIBK)	ND		250	257		ug/L		103	31 - 153
Acetone	ND		250	280		ug/L		112	33 - 149
Benzene	ND		125	115		ug/L		92	64 - 128
Dichlorobromomethane	ND		125	112		ug/L		89	62 - 125
Bromoform	ND		125	82.2		ug/L		66	47 - 125
Bromomethane	ND		62.5	72.2		ug/L		116	28 - 150
Carbon disulfide	ND		125	79.3		ug/L		63	38 - 140
Carbon tetrachloride	ND		125	99.8		ug/L		80	51 - 133
Chlorobenzene	ND		125	107		ug/L		85	74 - 121
Chloroethane	ND		62.5	61.6		ug/L		98	10 - 199
Chloroform	ND		125	120		ug/L		96	70 - 122
Chloromethane	ND		62.5	59.7		ug/L		96	32 - 149
cis-1,2-Dichloroethene	ND		125	117		ug/L		94	66 - 128
cis-1,3-Dichloropropene	ND		125	101		ug/L		81	47 - 125
Cyclohexane	ND		125	87.8		ug/L		70	42 - 147
Chlorodibromomethane	ND		125	104		ug/L		83	65 - 120
Dichlorodifluoromethane	ND		62.5	55.5		ug/L		89	38 - 139
Ethylbenzene	ND		125	99.2		ug/L		79	67 - 127
Isopropylbenzene	ND		125	107		ug/L		86	64 - 129
Methyl acetate	ND		250	234		ug/L		94	37 - 155
Methyl tert-butyl ether	ND		125	115		ug/L		92	47 - 134
Methylcyclohexane	ND		125	88.4		ug/L		71	39 - 144
Methylene Chloride	ND		125	116		ug/L		93	62 - 129
Styrene	ND		125	105		ug/L		84	70 - 139
Tetrachloroethene	ND		125	97.3		ug/L		78	62 - 131
Toluene	ND		125	100		ug/L		80	58 - 135
trans-1,2-Dichloroethene	ND		125	109		ug/L		87	56 - 136
trans-1,3-Dichloropropene	ND		125	104		ug/L		84	47 - 120
Trichloroethene	150	F1	125	219	F1	ug/L		59	61 - 124
Trichlorofluoromethane	ND		62.5	63.4		ug/L		101	24 - 177
Vinyl chloride	ND		62.5	64.0		ug/L		102	43 - 157
Xylenes, Total	ND		250	198		ug/L		79	71 - 123

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215515-1 MS

Client Sample ID: MW-12-20241121

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636939

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
m-Xylene & p-Xylene	ND		125	98.1		ug/L		78	71 - 123
o-Xylene	ND		125	100		ug/L		80	70 - 125
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	97		78 - 122						
Dibromofluoromethane (Surr)	105		73 - 120						
4-Bromofluorobenzene (Surr)	102		56 - 136						
1,2-Dichloroethane-d4 (Surr)	116		62 - 137						

Lab Sample ID: 240-215515-1 MSD

Client Sample ID: MW-12-20241121

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636939

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		125	115		ug/L		92	60 - 130	7	17
1,1,2,2-Tetrachloroethane	ND	F2	125	138	F2	ug/L		111	54 - 145	16	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		125	106		ug/L		85	41 - 147	5	35
1,1,2-Trichloroethane	ND		125	128		ug/L		103	69 - 131	8	14
1,1-Dichloroethane	ND		125	123		ug/L		99	68 - 125	2	13
1,1-Dichloroethene	ND		125	109		ug/L		88	56 - 135	5	26
1,2,4-Trichlorobenzene	ND		125	119		ug/L		95	29 - 156	19	19
1,2-Dibromo-3-Chloropropane	ND		125	101		ug/L		81	41 - 129	16	22
Ethylene Dibromide	ND		125	128		ug/L		103	69 - 125	9	14
1,2-Dichlorobenzene	ND	F2	125	123	F2	ug/L		99	73 - 120	17	14
1,2-Dichloroethane	ND		125	136		ug/L		109	63 - 126	2	12
1,2-Dichloropropane	ND		125	110		ug/L		88	69 - 130	3	13
1,3-Dichlorobenzene	ND	F2	125	120	F2	ug/L		96	73 - 120	16	14
1,4-Dichlorobenzene	ND		125	118		ug/L		94	74 - 120	15	15
2-Butanone (MEK)	ND		250	272		ug/L		109	40 - 151	1	20
2-Hexanone	ND		250	280		ug/L		112	35 - 156	8	17
4-Methyl-2-pentanone (MIBK)	ND		250	270		ug/L		108	31 - 153	5	15
Acetone	ND		250	292		ug/L		117	33 - 149	4	34
Benzene	ND		125	118		ug/L		95	64 - 128	2	14
Dichlorobromomethane	ND		125	116		ug/L		93	62 - 125	4	13
Bromoform	ND		125	91.7		ug/L		73	47 - 125	11	15
Bromomethane	ND		62.5	79.2		ug/L		127	28 - 150	9	26
Carbon disulfide	ND		125	85.0		ug/L		68	38 - 140	7	23
Carbon tetrachloride	ND		125	107		ug/L		86	51 - 133	7	24
Chlorobenzene	ND		125	115		ug/L		92	74 - 121	8	14
Chloroethane	ND		62.5	65.3		ug/L		104	10 - 199	6	30
Chloroform	ND		125	122		ug/L		98	70 - 122	2	14
Chloromethane	ND		62.5	64.7		ug/L		103	32 - 149	8	27
cis-1,2-Dichloroethene	ND		125	121		ug/L		97	66 - 128	3	14
cis-1,3-Dichloropropene	ND		125	105		ug/L		84	47 - 125	5	13
Cyclohexane	ND		125	92.7		ug/L		74	42 - 147	5	35
Chlorodibromomethane	ND		125	114		ug/L		91	65 - 120	10	13
Dichlorodifluoromethane	ND		62.5	60.4		ug/L		97	38 - 139	9	35
Ethylbenzene	ND		125	109		ug/L		87	67 - 127	9	15

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-215515-1 MSD

Client Sample ID: MW-12-20241121

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636939

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Isopropylbenzene	ND		125	119		ug/L		95	64 - 129	11	18
Methyl acetate	ND		250	238		ug/L		95	37 - 155	2	18
Methyl tert-butyl ether	ND		125	121		ug/L		97	47 - 134	6	16
Methylcyclohexane	ND		125	94.2		ug/L		75	39 - 144	6	35
Methylene Chloride	ND		125	116		ug/L		93	62 - 129	0	17
Styrene	ND		125	115		ug/L		92	70 - 139	9	18
Tetrachloroethene	ND		125	109		ug/L		87	62 - 131	11	20
Toluene	ND		125	110		ug/L		88	58 - 135	9	14
trans-1,2-Dichloroethene	ND		125	110		ug/L		88	56 - 136	2	15
trans-1,3-Dichloropropene	ND		125	114		ug/L		92	47 - 120	9	14
Trichloroethene	150	F1	125	230		ug/L		68	61 - 124	5	15
Trichlorofluoromethane	ND		62.5	74.1		ug/L		119	24 - 177	16	34
Vinyl chloride	ND		62.5	70.4		ug/L		113	43 - 157	10	24
Xylenes, Total	ND		250	218		ug/L		87	71 - 123	10	15
m-Xylene & p-Xylene	ND		125	108		ug/L		87	71 - 123	10	16
o-Xylene	ND		125	110		ug/L		88	70 - 125	9	15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	91		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120
4-Bromofluorobenzene (Surr)	90		56 - 136
1,2-Dichloroethane-d4 (Surr)	105		62 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636626/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636931

Prep Batch: 636626

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/25/24 09:58	11/27/24 08:49	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/25/24 09:58	11/27/24 08:49	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 636931

Prep Batch: 636626

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitrophenol	ND		10	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acetophenone	ND		1.0	0.37	ug/L		11/25/24 09:58	11/27/24 08:49	1
Anthracene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Atrazine	ND		2.0	0.95	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/25/24 09:58	11/27/24 08:49	1
Caprolactam	ND		5.0	3.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Carbazole	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
Chrysene	ND		0.20	0.066	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluoranthene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluorene	ND		0.20	0.079	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Isophorone	ND		1.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/25/24 09:58	11/27/24 08:49	1
Naphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pentachlorophenol	ND		10	3.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenanthrene	ND		0.20	0.080	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenol	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pyrene	ND		0.20	0.083	ug/L		11/25/24 09:58	11/27/24 08:49	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636626

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	67		43 - 136	11/25/24 09:58	11/27/24 08:49	1
Phenol-d5 (Surr)	47		10 - 120	11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene-d5 (Surr)	60		40 - 120	11/25/24 09:58	11/27/24 08:49	1
2-Fluorophenol (Surr)	51		10 - 127	11/25/24 09:58	11/27/24 08:49	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/25/24 09:58	11/27/24 08:49	1
2,4,6-Tribromophenol (Surr)	103		23 - 127	11/25/24 09:58	11/27/24 08:49	1

Lab Sample ID: LCS 240-636626/2-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	23.7		ug/L		74	34 - 126
2,4,5-Trichlorophenol	32.0	28.6		ug/L		89	51 - 129
2,4,6-Trichlorophenol	32.0	27.0		ug/L		84	51 - 128
2,4-Dichlorophenol	32.0	26.6		ug/L		83	57 - 122
2,4-Dimethylphenol	32.0	32.0		ug/L		100	33 - 120
2,4-Dinitrophenol	64.0	55.6		ug/L		87	27 - 126
2,4-Dinitrotoluene	32.0	30.3		ug/L		95	55 - 131
2,6-Dinitrotoluene	32.0	29.9		ug/L		93	54 - 134
2-Chloronaphthalene	32.0	23.4		ug/L		73	50 - 120
2-Chlorophenol	32.0	27.7		ug/L		87	57 - 120
2-Methylnaphthalene	32.0	21.8		ug/L		68	47 - 120
2-Methylphenol	32.0	27.8		ug/L		87	47 - 120
2-Nitroaniline	32.0	28.0		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.6		ug/L		83	53 - 127
3,3'-Dichlorobenzidine	64.0	59.8		ug/L		93	39 - 150
3-Nitroaniline	32.0	29.5		ug/L		92	13 - 156
4,6-Dinitro-2-methylphenol	64.0	64.5		ug/L		101	45 - 130
4-Bromophenyl phenyl ether	32.0	30.0		ug/L		94	51 - 129
4-Chloro-3-methylphenol	32.0	27.5		ug/L		86	57 - 126
4-Chloroaniline	32.0	6.70		ug/L		21	10 - 120
4-Chlorophenyl phenyl ether	32.0	26.4		ug/L		83	52 - 122
4-Nitroaniline	32.0	43.7		ug/L		136	44 - 156
4-Nitrophenol	64.0	41.7		ug/L		65	14 - 120
Acenaphthene	32.0	24.7		ug/L		77	50 - 120
Acenaphthylene	32.0	27.8		ug/L		87	49 - 120
Acetophenone	32.0	25.9		ug/L		81	52 - 120
Anthracene	32.0	29.4		ug/L		92	55 - 124
Atrazine	32.0	33.4		ug/L		104	50 - 152
Benzaldehyde	32.0	31.1		ug/L		97	36 - 168
Benzo[a]anthracene	32.0	29.3		ug/L		91	55 - 130
Benzo[a]pyrene	32.0	31.1		ug/L		97	51 - 123
Benzo[b]fluoranthene	32.0	30.4		ug/L		95	51 - 130
Benzo[g,h,i]perylene	32.0	31.1		ug/L		97	55 - 135
Benzo[k]fluoranthene	32.0	28.0		ug/L		88	53 - 130
Bis(2-chloroethoxy)methane	32.0	24.9		ug/L		78	50 - 121

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636626/2-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636626

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Bis(2-chloroethyl)ether	32.0	23.3		ug/L		73	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.7		ug/L		90	45 - 142
Butyl benzyl phthalate	32.0	27.6		ug/L		86	48 - 140
Caprolactam	32.0	6.88		ug/L		21	10 - 120
Carbazole	32.0	30.5		ug/L		95	56 - 135
Chrysene	32.0	25.8		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	30.1		ug/L		94	57 - 132
Dibenzofuran	32.0	24.6		ug/L		77	52 - 120
Diethyl phthalate	32.0	27.5		ug/L		86	51 - 127
Dimethyl phthalate	32.0	28.5		ug/L		89	40 - 136
Di-n-butyl phthalate	32.0	31.7		ug/L		99	56 - 138
Di-n-octyl phthalate	32.0	28.2		ug/L		88	45 - 135
Fluoranthene	32.0	30.6		ug/L		95	56 - 135
Fluorene	32.0	25.7		ug/L		80	52 - 124
Hexachlorobenzene	32.0	28.7		ug/L		90	49 - 127
Hexachlorobutadiene	32.0	21.4		ug/L		67	36 - 120
Hexachlorocyclopentadiene	32.0	30.1		ug/L		94	10 - 120
Hexachloroethane	32.0	21.0		ug/L		66	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.7		ug/L		96	55 - 134
Isophorone	32.0	26.8		ug/L		84	50 - 127
N-Nitrosodi-n-propylamine	32.0	26.9		ug/L		84	49 - 128
N-Nitrosodiphenylamine	32.0	28.1		ug/L		88	53 - 127
Naphthalene	32.0	22.2		ug/L		69	46 - 120
Nitrobenzene	32.0	24.2		ug/L		76	50 - 123
Pentachlorophenol	64.0	56.9		ug/L		89	24 - 124
Phenanthrene	32.0	26.4		ug/L		83	54 - 120
Phenol	32.0	17.9		ug/L		56	10 - 120
Pyrene	32.0	27.2		ug/L		85	53 - 135
3 & 4 Methylphenol	32.0	25.3		ug/L		79	41 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	81		43 - 136
Phenol-d5 (Surr)	56		10 - 120
Nitrobenzene-d5 (Surr)	76		40 - 120
2-Fluorophenol (Surr)	85		10 - 127
2-Fluorobiphenyl (Surr)	76		41 - 120
2,4,6-Tribromophenol (Surr)	105		23 - 127

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

Lab Sample ID: MB 240-636613/1-A

Matrix: Water

Analysis Batch: 636806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636613

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	ND		0.10	0.056	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/25/24 09:46	11/26/24 13:27	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

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

Lab Sample ID: MB 240-636613/1-A
Matrix: Water
Analysis Batch: 636806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636613

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1248	ND		0.10	0.050	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1268	ND		0.10	0.062	ug/L		11/25/24 09:46	11/26/24 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		10 - 149				11/25/24 09:46	11/26/24 13:27	1
DCB Decachlorobiphenyl	63		10 - 174				11/25/24 09:46	11/26/24 13:27	1

Lab Sample ID: LCS 240-636613/2-A
Matrix: Water
Analysis Batch: 636806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636613

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.66		ug/L		67	28 - 140
Aroclor-1260	2.50	1.77		ug/L		71	39 - 153
Surrogate	%Recovery	Qualifier	Limits				
Tetrachloro-m-xylene	61		10 - 149				
DCB Decachlorobiphenyl	60		10 - 174				

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-636631/1-A
Matrix: Water
Analysis Batch: 636996

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636631

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/25/24 14:00	11/26/24 10:52	1
Barium	ND		200	1.3	ug/L		11/25/24 14:00	11/26/24 10:52	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 10:52	1
Chromium	ND		10	0.76	ug/L		11/25/24 14:00	11/26/24 10:52	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 10:52	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 10:52	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 10:52	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 10:52	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 10:52	1

Lab Sample ID: LCS 240-636631/2-A
Matrix: Water
Analysis Batch: 636996

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636631

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	2000	1950		ug/L		97	80 - 120
Barium	2000	1860		ug/L		93	80 - 120
Cadmium	1000	933		ug/L		93	80 - 120
Chromium	1000	933		ug/L		93	80 - 120
Copper	1000	925		ug/L		92	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-636631/2-A
Matrix: Water
Analysis Batch: 636996

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1000	926		ug/L		93	80 - 120
Selenium	2000	1980		ug/L		99	80 - 120
Silver	100	94.5		ug/L		94	80 - 120
Zinc	1000	982		ug/L		98	80 - 120

Lab Sample ID: 240-215515-1 MS
Matrix: Water
Analysis Batch: 636996

Client Sample ID: MW-12-20241121
Prep Type: Dissolved
Prep Batch: 636631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		2000	2040		ug/L		102	75 - 125
Barium	20	J	2000	1960		ug/L		97	75 - 125
Cadmium	ND		1000	984		ug/L		98	75 - 125
Chromium	0.85	J	1000	967		ug/L		97	75 - 125
Copper	ND		1000	962		ug/L		96	75 - 125
Lead	ND		1000	946		ug/L		95	75 - 125
Selenium	ND		2000	2050		ug/L		102	75 - 125
Silver	ND		100	99.5		ug/L		100	75 - 125
Zinc	ND		1000	1040		ug/L		104	75 - 125

Lab Sample ID: 240-215515-1 MSD
Matrix: Water
Analysis Batch: 636996

Client Sample ID: MW-12-20241121
Prep Type: Dissolved
Prep Batch: 636631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Arsenic	ND		2000	2040		ug/L		102	75 - 125	0	20
Barium	20	J	2000	1940		ug/L		96	75 - 125	1	20
Cadmium	ND		1000	981		ug/L		98	75 - 125	0	20
Chromium	0.85	J	1000	975		ug/L		97	75 - 125	1	20
Copper	ND		1000	968		ug/L		97	75 - 125	1	20
Lead	ND		1000	940		ug/L		94	75 - 125	1	20
Selenium	ND		2000	2050		ug/L		102	75 - 125	0	20
Silver	ND		100	100		ug/L		100	75 - 125	1	20
Zinc	ND		1000	1010		ug/L		101	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-636639/1-A
Matrix: Water
Analysis Batch: 636775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/25/24 14:00	11/25/24 17:33	1

Lab Sample ID: LCS 240-636639/2-A
Matrix: Water
Analysis Batch: 636775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.30		ug/L		86	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 240-215515-1 MS
Matrix: Water
Analysis Batch: 636775

Client Sample ID: MW-12-20241121
Prep Type: Dissolved
Prep Batch: 636639

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		1.00	0.865		ug/L		87	80 - 120

Lab Sample ID: 240-215515-1 MSD
Matrix: Water
Analysis Batch: 636775

Client Sample ID: MW-12-20241121
Prep Type: Dissolved
Prep Batch: 636639

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	ND		1.00	0.863		ug/L		86	80 - 120	0	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-636335/9
Matrix: Water
Analysis Batch: 636335

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			11/22/24 08:48	1

Lab Sample ID: LCS 240-636335/10
Matrix: Water
Analysis Batch: 636335

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	0.261		mg/L		105	85 - 115

Lab Sample ID: 240-215515-1 MS
Matrix: Water
Analysis Batch: 636335

Client Sample ID: MW-12-20241121
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		0.250	0.250		mg/L		100	85 - 115

Lab Sample ID: 240-215515-1 MSD
Matrix: Water
Analysis Batch: 636335

Client Sample ID: MW-12-20241121
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium, hexavalent	ND		0.250	0.250		mg/L		100	85 - 115	0	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-637297/1-A
Matrix: Water
Analysis Batch: 637323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		12/02/24 15:04	12/02/24 16:53	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215515-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 240-637297/2-A
Matrix: Water
Analysis Batch: 637323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.324		mg/L		99	85 - 115

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-582150/17
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:01	1

Lab Sample ID: MB 410-582150/33
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:41	1

Lab Sample ID: LCS 410-582150/32
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0520		mg/L		104	82 - 132

QC Association Summary

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

Job ID: 240-215515-1

GC/MS VOA

Analysis Batch: 636698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-3	TB-4-20241121	Total/NA	Water	8260D	
MB 240-636698/7	Method Blank	Total/NA	Water	8260D	
LCS 240-636698/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 636939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	8260D	
MB 240-636939/9	Method Blank	Total/NA	Water	8260D	
LCS 240-636939/4	Lab Control Sample	Total/NA	Water	8260D	
240-215515-1 MS	MW-12-20241121	Total/NA	Water	8260D	
240-215515-1 MSD	MW-12-20241121	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 636626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	3510C LVI	
MB 240-636626/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	8270E	636626
MB 240-636626/1-A	Method Blank	Total/NA	Water	8270E	636626
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	8270E	636626

GC Semi VOA

Prep Batch: 636613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	3510C	
MB 240-636613/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-636613/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 636806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	8082A	636613
MB 240-636613/1-A	Method Blank	Total/NA	Water	8082A	636613
LCS 240-636613/2-A	Lab Control Sample	Total/NA	Water	8082A	636613

Metals

Prep Batch: 636631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Dissolved	Water	3005A	
240-215515-1	MW-12-20241121	Total Recoverable	Water	3005A	
MB 240-636631/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-636631/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-215515-1 MS	MW-12-20241121	Dissolved	Water	3005A	
240-215515-1 MSD	MW-12-20241121	Dissolved	Water	3005A	

QC Association Summary

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

Job ID: 240-215515-1

Metals

Prep Batch: 636639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Dissolved	Water	7470A	
240-215515-1	MW-12-20241121	Total/NA	Water	7470A	
MB 240-636639/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-636639/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-215515-1 MS	MW-12-20241121	Dissolved	Water	7470A	
240-215515-1 MSD	MW-12-20241121	Dissolved	Water	7470A	

Analysis Batch: 636775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Dissolved	Water	7470A	636639
240-215515-1	MW-12-20241121	Total/NA	Water	7470A	636639
MB 240-636639/1-A	Method Blank	Total/NA	Water	7470A	636639
LCS 240-636639/2-A	Lab Control Sample	Total/NA	Water	7470A	636639
240-215515-1 MS	MW-12-20241121	Dissolved	Water	7470A	636639
240-215515-1 MSD	MW-12-20241121	Dissolved	Water	7470A	636639

Analysis Batch: 636996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Dissolved	Water	6010D	636631
240-215515-1	MW-12-20241121	Total Recoverable	Water	6010D	636631
MB 240-636631/1-A	Method Blank	Total Recoverable	Water	6010D	636631
LCS 240-636631/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636631
240-215515-1 MS	MW-12-20241121	Dissolved	Water	6010D	636631
240-215515-1 MSD	MW-12-20241121	Dissolved	Water	6010D	636631

General Chemistry

Analysis Batch: 582150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	OIA-1677	
MB 410-582150/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-582150/33	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-582150/32	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 636335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Dissolved	Water	7196A	
MB 240-636335/9	Method Blank	Total/NA	Water	7196A	
LCS 240-636335/10	Lab Control Sample	Total/NA	Water	7196A	
240-215515-1 MS	MW-12-20241121	Dissolved	Water	7196A	
240-215515-1 MSD	MW-12-20241121	Dissolved	Water	7196A	

Prep Batch: 637297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	9012B	
MB 240-637297/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-637297/2-A	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 637323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215515-1	MW-12-20241121	Total/NA	Water	9012B	637297

Eurofins Cleveland



QC Association Summary

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

Job ID: 240-215515-1

General Chemistry (Continued)

Analysis Batch: 637323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-637297/1-A	Method Blank	Total/NA	Water	9012B	637297
LCS 240-637297/2-A	Lab Control Sample	Total/NA	Water	9012B	637297

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

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

Job ID: 240-215515-1

Client Sample ID: MW-12-20241121

Lab Sample ID: 240-215515-1

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	636939	MS	EET CLE	11/28/24 02:20
Total/NA	Prep	3510C LVI			636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E		1	636931	MRU	EET CLE	11/27/24 14:11
Total/NA	Prep	3510C			636613	GBS	EET CLE	11/25/24 09:46
Total/NA	Analysis	8082A		1	636806	MBB	EET CLE	11/26/24 16:32
Dissolved	Prep	3005A			636631	MN7X	EET CLE	11/25/24 14:00
Dissolved	Analysis	6010D		1	636996	RKT	EET CLE	11/26/24 12:03
Total Recoverable	Prep	3005A			636631	MN7X	EET CLE	11/25/24 14:00
Total Recoverable	Analysis	6010D		1	636996	RKT	EET CLE	11/26/24 13:19
Dissolved	Prep	7470A			636639	MN7X	EET CLE	11/25/24 14:00
Dissolved	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 17:42
Total/NA	Prep	7470A			636639	MN7X	EET CLE	11/25/24 14:00
Total/NA	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 18:11
Dissolved	Analysis	7196A		1	636335	C5SV	EET CLE	11/22/24 09:07
Total/NA	Prep	9012B			637297	C5SV	EET CLE	12/02/24 15:04
Total/NA	Analysis	9012B		25	637323	C5SV	EET CLE	12/02/24 17:46
Total/NA	Analysis	OIA-1677		1	582150	UJE2	ELLE	12/04/24 14:01

Client Sample ID: TB-4-20241121

Lab Sample ID: 240-215515-3

Date Collected: 11/21/24 10:33

Matrix: Water

Date Received: 11/22/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636698	LEE	EET CLE	11/26/24 06:24

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 240-215515-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
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 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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25

Accreditation/Certification Summary

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

Job ID: 240-215515-1

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
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
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	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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



Address: Eurofins Cleveland
130 S. Van Buren Avenue
Bartlett, OH 44203

Chain of Custody Record 728963



Environment Testing
America

TAL-8210

Regulatory Program: DW NPDES RCRA Other:

Client Contact		Project Manager: <u>Karin Laser-Lowe</u>		Site Contact:		Date:		COC No:					
Company Name: <u>August Mack Environmental, Inc.</u>		Tel/Email: <u>KLaserLowe@AugustMack.com</u>		Lab Contact:		Carrier:		1 of 1 COCs					
Address: <u>7830 North Central Drive, Suite B</u>		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS/MSD (Y/N) <u>8160D - Fall 1st Ver</u> <u>8270E - 2005</u> <u>8881A - PCBs</u> <u>6010D/7470A</u> <u>21A-1677</u> <u>9012B</u> <u>6010D/7470A (Filter)</u> <u>7196A - (Filter)</u>		Sampler: <u>Samantha Lee</u>		For Lab Use Only:					
City/State/Zip: <u>Lewis Center, OH, 43035</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <u>Standard</u>				Walk-in Client:		Lab Sampling:					
Phone: <u>740-548-1515</u>		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day				Job / SDG No.:							
Fax:													
Project Name: <u>MSC Carrieth - Groundwater</u>													
Site:													
P O #													
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes:						
<u>MW-12-20241121</u>		<u>11/21/24</u>	<u>1033</u>	<u>G</u>	<u>Water</u>	<u>10</u>	<u>N</u>	<u>3</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>1</u>	
<u>MW-12-20241121-DISS</u>		<u>11/21/24</u>	<u>1033</u>	<u>G</u>	<u>Water</u>	<u>2</u>	<u>Y</u>	<u>N</u>					<u>1</u>
<u>TB-4-20241121</u>		<u>11/21/24</u>	<u>1033</u>	<u>G</u>	<u>Water</u>	<u>3</u>	<u>N</u>	<u>3</u>					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other <u>4</u>		Possible Hazard Identification:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months									
Special Instructions/QC Requirements & Comments: <u>Level II Reversible</u>													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____		Corr'd: _____		Therm ID No.:					
Relinquished by: <u>Samantha Lee</u>		Company: <u>AME</u>		Date/Time: <u>11/21/24 1610</u>		Received by: <u>Karin Laser-Lowe</u>		Company: <u>EUR</u>		Date/Time: <u>11/21/24 1610</u>			
Relinquished by: <u>Karin Laser-Lowe</u>		Company: <u>EUR</u>		Date/Time: <u>11/21/24 1724</u>		Received by: <u>JMOROSKO</u>		Company: <u>EUR</u>		Date/Time: <u>11/22/24 0820</u>			
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:		Date/Time:			



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

Client August Mack Site Name _____ Cooler unpacked by: JMOROSKO

Cooler Received on 11/22/24 Opened on 11/22/24

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: White Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt: See Multiple Cooler Form
 IR GUN # 17 (CF) 70 1 °C Observed Cooler Temp. 14 °C Corrected Cooler Temp 15 °C

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
 - Were the seals on the outside of the cooler(s) signed & dated? Yes No
 - Were tamper/custody seals on the bottle(s) or bottle hats (LLHg/MeHg)? Yes No
 - Were tamper/custody seals intact and uncompromised? Yes No
 - 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)? Yes No
 - 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
 - 13 If yes, Questions 13-17 have been checked at the originating laboratory
 - 14 Were all preserved sample(s) at the correct pH upon receipt? Yes No
 - 15 Were VOAs on the COC? Yes No
 - 16 Were air bubbles >6 mm in any VOA vials? Larger than this. Yes No
 - 17 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 63271 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: _____

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. _____



11/22/2024

Login Container Summary Report

240-215515

Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservation</u> <u>Temp</u>	<u>Preservation</u> <u>Added</u>	<u>Preservation</u> <u>Lot Number</u>
MW-12-20241121	240-215515-A-1	Voa Vial 40ml - Hydrochloric Acid				
MW-12-20241121	240-215515-B-1	Voa Vial 40ml - Hydrochloric Acid				
MW-12-20241121	240-215515-C-1	Voa Vial 40ml - Hydrochloric Acid				
MW-12-20241121	240-215515-D-1	Amber Plastic 125 mL - NaOH				
MW-12-20241121	240-215515-E-1	Plastic 250ml - with Sodium Hydroxide		>12		
MW-12-20241121	240-215515-F-1	Amber Glass 250ml - unpreserved				
MW-12-20241121	240-215515-G-1	Amber Glass 250ml - unpreserved				
MW-12-20241121	240-215515-H-1	Plastic 500ml - with Nitric Acid		<2		
MW-12-20241121	240-215515-I-1	Amber Glass 1 liter - unpreserved				
MW-12-20241121	240-215515-J-1	Amber Glass 1 liter - unpreserved				
MW-12-20241121-DISS	240-215515-A-2	Plastic 500 mL - unpreserved - dis				
MW-12-20241121-DISS	240-215515-B-2	Plastic 500ml - w/ Nitric - Dis.		<2		
TB-4-20241121	240-215515-A-3	Voa Vial 40ml - Hydrochloric Acid				
TB-4-20241121	240-215515-B-3	Voa Vial 40ml - Hydrochloric Acid				
TB-4-20241121	240-215515-C-3	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kalis, Nicole A		Carrier Tracking No(s): N/A		COC No: 240-194393.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-215515-1			
Address: 2425 New Holland Pike, Lancaster PA, 17601		Due Date Requested: 12/9/2024		Analysis Requested						Preservation Codes:	
City: Lancaster		TAT Requested (days): N/A									
State, Zip: PA, 17601		PO #: N/A									
Phone: 717-656-2300(Tel)		WO #: N/A									
Email: N/A		Project #: 24033889									
Project Name: MSC Canfield		SSOW#: N/A		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		1677_Fret/ Cyanide, Free			
Site: N/A								Total Number of Containers			
								Other: N/A			
Sample Identification - Client ID (Lab ID)		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)	1677_Fret/ Cyanide, Free	Total Number of Containers	Special Instructions/Note:	
MW-12-20241121 (240-215515-1)		11/21/24	10:33 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste	
<p>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 listed 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.</p>											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: <i>K Martin</i>		Date/Time: <i>11/22/24</i>		Company: <i>EUR</i>		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Company:		Received by: <i>Ju</i>		Date/Time: <i>11/23/24 9:30</i>		Company: <i>SWET</i>	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>21.7 C 1.7</i>							

NR



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-215515-1

Login Number: 215515

List Number: 2

Creator: Kanagy, Nicholas

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 11/23/24 11:08 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required (<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/10/2024 8:56:28 PM

JOB DESCRIPTION

MSC Canfield

JOB NUMBER

240-215613-1

Eurofins Cleveland

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
12/10/2024 8:56:28 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	10
Surrogate Summary	20
QC Sample Results	21
QC Association Summary	30
Lab Chronicle	33
Certification Summary	35
Chain of Custody	37
Receipt Checklists	42

Definitions/Glossary

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

Job ID: 240-215613-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*.	LCS and/or LCSD is outside acceptance limits, low biased.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.

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

Case Narrative

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

Job ID: 240-215613-1

Job ID: 240-215613-1

Eurofins Cleveland

Job Narrative 240-215613-1

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 11/22/2024 4:14 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 1.6°C, 1.9°C, 2.1°C, 3.8°C and 4.0°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-636934 was outside the method criteria for the following analyte(s): Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-636934 recovered above the upper control limit for Carbon disulfide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: RB-1-20241121 (240-215613-1), EB-1-20241121 (240-215613-2) and TB-5-20241121 (240-215613-3).

Method 8260D: The laboratory control sample (LCS) analyzed in batch 240-636934 was below the recovery control criteria for the following analyte(s): Vinyl chloride. This variance only affects results measured above the reporting limit. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. This demonstrates the analyte reporting limit is valid, and it is acceptable to report ND results (non-detects). The samples associated with the LCS were non-detects for the affected analytes; therefore, the results were reported. The following samples are impacted: RB-1-20241121 (240-215613-1), EB-1-20241121 (240-215613-2) and TB-5-20241121 (240-215613-3).

RB-1-20241121 (240-215613-1), EB-1-20241121 (240-215613-2) and TB-5-20241121 (240-215613-3)

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

GC/MS Semi VOA

Method 8270E: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636626.

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-636931 recovered outside acceptance criteria, low biased, for Phenol and 3 & 4 Methylphenol. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analytes, the data were reported.

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

PCBs

Method 8082A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 240-636613.

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

Metals

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

Eurofins Cleveland

Case Narrative

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

Job ID: 240-215613-1

Job ID: 240-215613-1 (Continued)

Eurofins Cleveland

General Chemistry

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Method Summary

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

Job ID: 240-215613-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-215613-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-215613-1	RB-1-20241121	Water	11/21/24 16:00	11/22/24 16:14
240-215613-2	EB-1-20241121	Water	11/21/24 14:48	11/22/24 16:14
240-215613-3	TB-5-20241121	Water	11/21/24 00:00	11/22/24 16:14

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-215613-1

Client Sample ID: RB-1-20241121

Lab Sample ID: 240-215613-1

No Detections.

Client Sample ID: EB-1-20241121

Lab Sample ID: 240-215613-2

No Detections.

Client Sample ID: TB-5-20241121

Lab Sample ID: 240-215613-3

No Detections.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: RB-1-20241121

Lab Sample ID: 240-215613-1

Date Collected: 11/21/24 16:00

Matrix: Water

Date Received: 11/22/24 16:14

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 15:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/30/24 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/30/24 15:53	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 15:53	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/30/24 15:53	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/30/24 15:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/30/24 15:53	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/30/24 15:53	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/30/24 15:53	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/30/24 15:53	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/30/24 15:53	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/30/24 15:53	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/30/24 15:53	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/30/24 15:53	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/30/24 15:53	1
2-Hexanone	ND		10	1.1	ug/L			11/30/24 15:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/30/24 15:53	1
Acetone	ND		10	5.4	ug/L			11/30/24 15:53	1
Benzene	ND		1.0	0.42	ug/L			11/30/24 15:53	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/30/24 15:53	1
Bromoform	ND		1.0	0.76	ug/L			11/30/24 15:53	1
Bromomethane	ND		1.0	0.42	ug/L			11/30/24 15:53	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/30/24 15:53	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/30/24 15:53	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/30/24 15:53	1
Chloroethane	ND		1.0	0.83	ug/L			11/30/24 15:53	1
Chloroform	ND		1.0	0.47	ug/L			11/30/24 15:53	1
Chloromethane	ND		1.0	0.63	ug/L			11/30/24 15:53	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/30/24 15:53	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/30/24 15:53	1
Cyclohexane	ND		1.0	0.48	ug/L			11/30/24 15:53	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/30/24 15:53	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/30/24 15:53	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/30/24 15:53	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/30/24 15:53	1
Methyl acetate	ND		10	1.7	ug/L			11/30/24 15:53	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/30/24 15:53	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/30/24 15:53	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/30/24 15:53	1
Styrene	ND		1.0	0.45	ug/L			11/30/24 15:53	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/30/24 15:53	1
Toluene	ND		1.0	0.44	ug/L			11/30/24 15:53	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/30/24 15:53	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/30/24 15:53	1
Trichloroethene	ND		1.0	0.44	ug/L			11/30/24 15:53	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/30/24 15:53	1
Vinyl chloride	ND	*	1.0	0.45	ug/L			11/30/24 15:53	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/30/24 15:53	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: RB-1-20241121

Lab Sample ID: 240-215613-1

Date Collected: 11/21/24 16:00

Matrix: Water

Date Received: 11/22/24 16:14

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		78 - 122		11/30/24 15:53	1
Dibromofluoromethane (Surr)	89		73 - 120		11/30/24 15:53	1
4-Bromofluorobenzene (Surr)	98		56 - 136		11/30/24 15:53	1
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		11/30/24 15:53	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		11/25/24 09:58	11/27/24 14:57	1
bis (2-chloroisopropyl) ether	ND		0.96	0.23	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		11/25/24 09:58	11/27/24 14:57	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		11/25/24 09:58	11/27/24 14:57	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		11/25/24 09:58	11/27/24 14:57	1
2-Chlorophenol	ND		0.96	0.26	ug/L		11/25/24 09:58	11/27/24 14:57	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		11/25/24 09:58	11/27/24 14:57	1
2-Methylphenol	ND		0.96	0.20	ug/L		11/25/24 09:58	11/27/24 14:57	1
2-Nitroaniline	ND		1.9	0.49	ug/L		11/25/24 09:58	11/27/24 14:57	1
2-Nitrophenol	ND		1.9	0.54	ug/L		11/25/24 09:58	11/27/24 14:57	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		11/25/24 09:58	11/27/24 14:57	1
3-Nitroaniline	ND		1.9	0.54	ug/L		11/25/24 09:58	11/27/24 14:57	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		11/25/24 09:58	11/27/24 14:57	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		11/25/24 09:58	11/27/24 14:57	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		11/25/24 09:58	11/27/24 14:57	1
4-Chloroaniline	ND		1.9	0.30	ug/L		11/25/24 09:58	11/27/24 14:57	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		11/25/24 09:58	11/27/24 14:57	1
4-Nitroaniline	ND		1.9	0.31	ug/L		11/25/24 09:58	11/27/24 14:57	1
4-Nitrophenol	ND		9.6	2.1	ug/L		11/25/24 09:58	11/27/24 14:57	1
Acenaphthene	ND		0.19	0.17	ug/L		11/25/24 09:58	11/27/24 14:57	1
Acenaphthylene	ND		0.19	0.12	ug/L		11/25/24 09:58	11/27/24 14:57	1
Acetophenone	ND		0.96	0.35	ug/L		11/25/24 09:58	11/27/24 14:57	1
Anthracene	ND		0.19	0.13	ug/L		11/25/24 09:58	11/27/24 14:57	1
Atrazine	ND		1.9	0.92	ug/L		11/25/24 09:58	11/27/24 14:57	1
Benzaldehyde	ND		1.9	0.73	ug/L		11/25/24 09:58	11/27/24 14:57	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		11/25/24 09:58	11/27/24 14:57	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		11/25/24 09:58	11/27/24 14:57	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:57	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		11/25/24 09:58	11/27/24 14:57	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		11/25/24 09:58	11/27/24 14:57	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		11/25/24 09:58	11/27/24 14:57	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		11/25/24 09:58	11/27/24 14:57	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		11/25/24 09:58	11/27/24 14:57	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		11/25/24 09:58	11/27/24 14:57	1
Caprolactam	ND		4.8	3.7	ug/L		11/25/24 09:58	11/27/24 14:57	1
Carbazole	ND		0.96	0.47	ug/L		11/25/24 09:58	11/27/24 14:57	1
Chrysene	ND		0.19	0.063	ug/L		11/25/24 09:58	11/27/24 14:57	1
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:57	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: RB-1-20241121

Lab Sample ID: 240-215613-1

Date Collected: 11/21/24 16:00

Matrix: Water

Date Received: 11/22/24 16:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		0.96	0.26	ug/L		11/25/24 09:58	11/27/24 14:57	1
Diethyl phthalate	ND		4.8	0.39	ug/L		11/25/24 09:58	11/27/24 14:57	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		11/25/24 09:58	11/27/24 14:57	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		11/25/24 09:58	11/27/24 14:57	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		11/25/24 09:58	11/27/24 14:57	1
Fluoranthene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:57	1
Fluorene	ND		0.19	0.076	ug/L		11/25/24 09:58	11/27/24 14:57	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		11/25/24 09:58	11/27/24 14:57	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		11/25/24 09:58	11/27/24 14:57	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		11/25/24 09:58	11/27/24 14:57	1
Hexachloroethane	ND		0.96	0.38	ug/L		11/25/24 09:58	11/27/24 14:57	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		11/25/24 09:58	11/27/24 14:57	1
Isophorone	ND		0.96	0.31	ug/L		11/25/24 09:58	11/27/24 14:57	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		11/25/24 09:58	11/27/24 14:57	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		11/25/24 09:58	11/27/24 14:57	1
Naphthalene	ND		0.19	0.10	ug/L		11/25/24 09:58	11/27/24 14:57	1
Nitrobenzene	ND		0.96	0.49	ug/L		11/25/24 09:58	11/27/24 14:57	1
Pentachlorophenol	ND		9.6	3.0	ug/L		11/25/24 09:58	11/27/24 14:57	1
Phenanthrene	ND		0.19	0.077	ug/L		11/25/24 09:58	11/27/24 14:57	1
Phenol	ND		0.96	0.39	ug/L		11/25/24 09:58	11/27/24 14:57	1
Pyrene	ND		0.19	0.080	ug/L		11/25/24 09:58	11/27/24 14:57	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		11/25/24 09:58	11/27/24 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	80		43 - 136	11/25/24 09:58	11/27/24 14:57	1
Phenol-d5 (Surr)	73		10 - 120	11/25/24 09:58	11/27/24 14:57	1
Nitrobenzene-d5 (Surr)	74		40 - 120	11/25/24 09:58	11/27/24 14:57	1
2-Fluorophenol (Surr)	77		10 - 127	11/25/24 09:58	11/27/24 14:57	1
2-Fluorobiphenyl (Surr)	91		41 - 120	11/25/24 09:58	11/27/24 14:57	1
2,4,6-Tribromophenol (Surr)	104		23 - 127	11/25/24 09:58	11/27/24 14:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.095	0.053	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1221	ND		0.095	0.054	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1232	ND		0.095	0.070	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1242	ND		0.095	0.072	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1248	ND		0.095	0.048	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1254	ND		0.095	0.038	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1260	ND		0.095	0.044	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1262	ND		0.095	0.055	ug/L		11/25/24 09:46	11/26/24 16:46	1
Aroclor-1268	ND		0.095	0.059	ug/L		11/25/24 09:46	11/26/24 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	60		10 - 149	11/25/24 09:46	11/26/24 16:46	1
DCB Decachlorobiphenyl	71		10 - 174	11/25/24 09:46	11/26/24 16:46	1

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		11/25/24 14:00	11/26/24 13:33	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: RB-1-20241121

Lab Sample ID: 240-215613-1

Date Collected: 11/21/24 16:00

Matrix: Water

Date Received: 11/22/24 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	1.3	ug/L		11/25/24 14:00	11/26/24 13:33	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 13:33	1
Chromium	ND		10	0.76	ug/L		11/25/24 14:00	11/26/24 13:33	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 13:33	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 13:33	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 13:33	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 13:33	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 13:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/25/24 14:00	11/26/24 13:46	1
Barium	ND		200	1.3	ug/L		11/25/24 14:00	11/26/24 13:46	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 13:46	1
Chromium	ND		10	0.76	ug/L		11/25/24 14:00	11/26/24 13:46	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 13:46	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 13:46	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 13:46	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 13:46	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 13:46	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		11/25/24 14:00	11/25/24 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/25/24 14:00	11/25/24 18:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.25	0.15	mg/L		12/02/24 15:04	12/02/24 17:52	25
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/04/24 13:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND	H H3	0.020	0.0070	mg/L			11/23/24 08:48	1

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: EB-1-20241121

Lab Sample ID: 240-215613-2

Date Collected: 11/21/24 14:48

Matrix: Water

Date Received: 11/22/24 16:14

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 16:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/30/24 16:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/30/24 16:18	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 16:18	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/30/24 16:18	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/30/24 16:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/30/24 16:18	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/30/24 16:18	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/30/24 16:18	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/30/24 16:18	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/30/24 16:18	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/30/24 16:18	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/30/24 16:18	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/30/24 16:18	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/30/24 16:18	1
2-Hexanone	ND		10	1.1	ug/L			11/30/24 16:18	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/30/24 16:18	1
Acetone	ND		10	5.4	ug/L			11/30/24 16:18	1
Benzene	ND		1.0	0.42	ug/L			11/30/24 16:18	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/30/24 16:18	1
Bromoform	ND		1.0	0.76	ug/L			11/30/24 16:18	1
Bromomethane	ND		1.0	0.42	ug/L			11/30/24 16:18	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/30/24 16:18	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/30/24 16:18	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/30/24 16:18	1
Chloroethane	ND		1.0	0.83	ug/L			11/30/24 16:18	1
Chloroform	ND		1.0	0.47	ug/L			11/30/24 16:18	1
Chloromethane	ND		1.0	0.63	ug/L			11/30/24 16:18	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/30/24 16:18	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/30/24 16:18	1
Cyclohexane	ND		1.0	0.48	ug/L			11/30/24 16:18	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/30/24 16:18	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/30/24 16:18	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/30/24 16:18	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/30/24 16:18	1
Methyl acetate	ND		10	1.7	ug/L			11/30/24 16:18	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/30/24 16:18	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/30/24 16:18	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/30/24 16:18	1
Styrene	ND		1.0	0.45	ug/L			11/30/24 16:18	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/30/24 16:18	1
Toluene	ND		1.0	0.44	ug/L			11/30/24 16:18	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/30/24 16:18	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/30/24 16:18	1
Trichloroethene	ND		1.0	0.44	ug/L			11/30/24 16:18	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/30/24 16:18	1
Vinyl chloride	ND	*	1.0	0.45	ug/L			11/30/24 16:18	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/30/24 16:18	1

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: EB-1-20241121

Lab Sample ID: 240-215613-2

Date Collected: 11/21/24 14:48

Matrix: Water

Date Received: 11/22/24 16:14

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		78 - 122		11/30/24 16:18	1
Dibromofluoromethane (Surr)	88		73 - 120		11/30/24 16:18	1
4-Bromofluorobenzene (Surr)	96		56 - 136		11/30/24 16:18	1
1,2-Dichloroethane-d4 (Surr)	100		62 - 137		11/30/24 16:18	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 15:20	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/25/24 09:58	11/27/24 15:20	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/25/24 09:58	11/27/24 15:20	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/25/24 09:58	11/27/24 15:20	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 15:20	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 15:20	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/25/24 09:58	11/27/24 15:20	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/25/24 09:58	11/27/24 15:20	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/25/24 09:58	11/27/24 15:20	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/25/24 09:58	11/27/24 15:20	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/25/24 09:58	11/27/24 15:20	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/25/24 09:58	11/27/24 15:20	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/25/24 09:58	11/27/24 15:20	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/25/24 09:58	11/27/24 15:20	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/25/24 09:58	11/27/24 15:20	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/25/24 09:58	11/27/24 15:20	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/25/24 09:58	11/27/24 15:20	1
4-Nitrophenol	ND		10	2.2	ug/L		11/25/24 09:58	11/27/24 15:20	1
Acenaphthene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 15:20	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/25/24 09:58	11/27/24 15:20	1
Acetophenone	ND		1.0	0.37	ug/L		11/25/24 09:58	11/27/24 15:20	1
Anthracene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 15:20	1
Atrazine	ND		2.0	0.95	ug/L		11/25/24 09:58	11/27/24 15:20	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/25/24 09:58	11/27/24 15:20	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/25/24 09:58	11/27/24 15:20	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 15:20	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 15:20	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/25/24 09:58	11/27/24 15:20	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 15:20	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/25/24 09:58	11/27/24 15:20	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 15:20	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/25/24 09:58	11/27/24 15:20	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/25/24 09:58	11/27/24 15:20	1
Caprolactam	ND		5.0	3.8	ug/L		11/25/24 09:58	11/27/24 15:20	1
Carbazole	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 15:20	1
Chrysene	ND		0.20	0.066	ug/L		11/25/24 09:58	11/27/24 15:20	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 15:20	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: EB-1-20241121

Lab Sample ID: 240-215613-2

Date Collected: 11/21/24 14:48

Matrix: Water

Date Received: 11/22/24 16:14

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 15:20	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/25/24 09:58	11/27/24 15:20	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/25/24 09:58	11/27/24 15:20	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 15:20	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/25/24 09:58	11/27/24 15:20	1
Fluoranthene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 15:20	1
Fluorene	ND		0.20	0.079	ug/L		11/25/24 09:58	11/27/24 15:20	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 15:20	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/25/24 09:58	11/27/24 15:20	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/25/24 09:58	11/27/24 15:20	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 15:20	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 15:20	1
Isophorone	ND		1.0	0.32	ug/L		11/25/24 09:58	11/27/24 15:20	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/25/24 09:58	11/27/24 15:20	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/25/24 09:58	11/27/24 15:20	1
Naphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 15:20	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/25/24 09:58	11/27/24 15:20	1
Pentachlorophenol	ND		10	3.1	ug/L		11/25/24 09:58	11/27/24 15:20	1
Phenanthrene	ND		0.20	0.080	ug/L		11/25/24 09:58	11/27/24 15:20	1
Phenol	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 15:20	1
Pyrene	ND		0.20	0.083	ug/L		11/25/24 09:58	11/27/24 15:20	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/25/24 09:58	11/27/24 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	79		43 - 136	11/25/24 09:58	11/27/24 15:20	1
Phenol-d5 (Surr)	68		10 - 120	11/25/24 09:58	11/27/24 15:20	1
Nitrobenzene-d5 (Surr)	72		40 - 120	11/25/24 09:58	11/27/24 15:20	1
2-Fluorophenol (Surr)	66		10 - 127	11/25/24 09:58	11/27/24 15:20	1
2-Fluorobiphenyl (Surr)	77		41 - 120	11/25/24 09:58	11/27/24 15:20	1
2,4,6-Tribromophenol (Surr)	86		23 - 127	11/25/24 09:58	11/27/24 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.097	0.054	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1221	ND		0.097	0.055	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1232	ND		0.097	0.072	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1242	ND		0.097	0.074	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1248	ND		0.097	0.049	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1254	ND		0.097	0.039	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1260	ND		0.097	0.045	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1262	ND		0.097	0.056	ug/L		11/25/24 09:46	11/26/24 17:01	1
Aroclor-1268	ND		0.097	0.060	ug/L		11/25/24 09:46	11/26/24 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		10 - 149	11/25/24 09:46	11/26/24 17:01	1
DCB Decachlorobiphenyl	29		10 - 174	11/25/24 09:46	11/26/24 17:01	1

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		11/25/24 14:00	11/26/24 13:51	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: EB-1-20241121

Lab Sample ID: 240-215613-2

Date Collected: 11/21/24 14:48

Matrix: Water

Date Received: 11/22/24 16:14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		200	1.3	ug/L		11/25/24 14:00	11/26/24 13:51	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 13:51	1
Chromium	ND		10	0.76	ug/L		11/25/24 14:00	11/26/24 13:51	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 13:51	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 13:51	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 13:51	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 13:51	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		15	4.1	ug/L		11/25/24 14:00	11/26/24 14:04	1
Barium	ND		200	1.3	ug/L		11/25/24 14:00	11/26/24 14:04	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 14:04	1
Chromium	ND		10	0.76	ug/L		11/25/24 14:00	11/26/24 14:04	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 14:04	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 14:04	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 14:04	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 14:04	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 14:04	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		11/25/24 14:00	11/25/24 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/25/24 14:00	11/25/24 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0060	mg/L		12/02/24 15:04	12/02/24 18:05	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/04/24 13:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND	H H3	0.020	0.0070	mg/L			11/23/24 08:48	1

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: TB-5-20241121

Lab Sample ID: 240-215613-3

Date Collected: 11/21/24 00:00

Matrix: Water

Date Received: 11/22/24 16:14

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 16:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/30/24 16:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/30/24 16:44	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 16:44	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/30/24 16:44	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/30/24 16:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/30/24 16:44	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/30/24 16:44	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/30/24 16:44	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/30/24 16:44	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/30/24 16:44	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/30/24 16:44	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/30/24 16:44	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/30/24 16:44	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/30/24 16:44	1
2-Hexanone	ND		10	1.1	ug/L			11/30/24 16:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/30/24 16:44	1
Acetone	ND		10	5.4	ug/L			11/30/24 16:44	1
Benzene	ND		1.0	0.42	ug/L			11/30/24 16:44	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/30/24 16:44	1
Bromoform	ND		1.0	0.76	ug/L			11/30/24 16:44	1
Bromomethane	ND		1.0	0.42	ug/L			11/30/24 16:44	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/30/24 16:44	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/30/24 16:44	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/30/24 16:44	1
Chloroethane	ND		1.0	0.83	ug/L			11/30/24 16:44	1
Chloroform	ND		1.0	0.47	ug/L			11/30/24 16:44	1
Chloromethane	ND		1.0	0.63	ug/L			11/30/24 16:44	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/30/24 16:44	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/30/24 16:44	1
Cyclohexane	ND		1.0	0.48	ug/L			11/30/24 16:44	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/30/24 16:44	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/30/24 16:44	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/30/24 16:44	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/30/24 16:44	1
Methyl acetate	ND		10	1.7	ug/L			11/30/24 16:44	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/30/24 16:44	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/30/24 16:44	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/30/24 16:44	1
Styrene	ND		1.0	0.45	ug/L			11/30/24 16:44	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/30/24 16:44	1
Toluene	ND		1.0	0.44	ug/L			11/30/24 16:44	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/30/24 16:44	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/30/24 16:44	1
Trichloroethene	ND		1.0	0.44	ug/L			11/30/24 16:44	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/30/24 16:44	1
Vinyl chloride	ND	*	1.0	0.45	ug/L			11/30/24 16:44	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/30/24 16:44	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-215613-1

Client Sample ID: TB-5-20241121

Lab Sample ID: 240-215613-3

Date Collected: 11/21/24 00:00

Matrix: Water

Date Received: 11/22/24 16:14

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	106		78 - 122		11/30/24 16:44	1
Dibromofluoromethane (Surr)	88		73 - 120		11/30/24 16:44	1
4-Bromofluorobenzene (Surr)	98		56 - 136		11/30/24 16:44	1
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		11/30/24 16:44	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Surrogate Summary

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

Job ID: 240-215613-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-215613-1	RB-1-20241121	107	89	98	103
240-215613-2	EB-1-20241121	106	88	96	100
240-215613-3	TB-5-20241121	106	88	98	103
LCS 240-636934/5	Lab Control Sample	109	86	106	97
MB 240-636934/9	Method Blank	105	87	105	101

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (43-136)	PHL (10-120)	NBZ (40-120)	2FP (10-127)	FBP (41-120)	TBP (23-127)
240-215613-1	RB-1-20241121	80	73	74	77	91	104
240-215613-2	EB-1-20241121	79	68	72	66	77	86
LCS 240-636626/2-A	Lab Control Sample	81	56	76	85	76	105
MB 240-636626/1-A	Method Blank	67	47	60	51	77	103

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (10-149)	DCBP2 (10-174)
240-215613-1	RB-1-20241121	60	71
240-215613-2	EB-1-20241121	53	29
LCS 240-636613/2-A	Lab Control Sample	61	60
MB 240-636613/1-A	Method Blank	53	63

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

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

Job ID: 240-215613-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-636934/9

Matrix: Water

Analysis Batch: 636934

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 15:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			11/30/24 15:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			11/30/24 15:27	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			11/30/24 15:27	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			11/30/24 15:27	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			11/30/24 15:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			11/30/24 15:27	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			11/30/24 15:27	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			11/30/24 15:27	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			11/30/24 15:27	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			11/30/24 15:27	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			11/30/24 15:27	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			11/30/24 15:27	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			11/30/24 15:27	1
2-Butanone (MEK)	ND		10	1.2	ug/L			11/30/24 15:27	1
2-Hexanone	ND		10	1.1	ug/L			11/30/24 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			11/30/24 15:27	1
Acetone	ND		10	5.4	ug/L			11/30/24 15:27	1
Benzene	ND		1.0	0.42	ug/L			11/30/24 15:27	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			11/30/24 15:27	1
Bromoform	ND		1.0	0.76	ug/L			11/30/24 15:27	1
Bromomethane	ND		1.0	0.42	ug/L			11/30/24 15:27	1
Carbon disulfide	ND		1.0	0.59	ug/L			11/30/24 15:27	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			11/30/24 15:27	1
Chlorobenzene	ND		1.0	0.38	ug/L			11/30/24 15:27	1
Chloroethane	ND		1.0	0.83	ug/L			11/30/24 15:27	1
Chloroform	ND		1.0	0.47	ug/L			11/30/24 15:27	1
Chloromethane	ND		1.0	0.63	ug/L			11/30/24 15:27	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			11/30/24 15:27	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			11/30/24 15:27	1
Cyclohexane	ND		1.0	0.48	ug/L			11/30/24 15:27	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			11/30/24 15:27	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			11/30/24 15:27	1
Ethylbenzene	ND		1.0	0.42	ug/L			11/30/24 15:27	1
Isopropylbenzene	ND		1.0	0.49	ug/L			11/30/24 15:27	1
Methyl acetate	ND		10	1.7	ug/L			11/30/24 15:27	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			11/30/24 15:27	1
Methylcyclohexane	ND		1.0	0.33	ug/L			11/30/24 15:27	1
Methylene Chloride	ND		5.0	2.6	ug/L			11/30/24 15:27	1
Styrene	ND		1.0	0.45	ug/L			11/30/24 15:27	1
Tetrachloroethene	ND		1.0	0.44	ug/L			11/30/24 15:27	1
Toluene	ND		1.0	0.44	ug/L			11/30/24 15:27	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			11/30/24 15:27	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			11/30/24 15:27	1
Trichloroethene	ND		1.0	0.44	ug/L			11/30/24 15:27	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			11/30/24 15:27	1
Vinyl chloride	ND		1.0	0.45	ug/L			11/30/24 15:27	1
Xylenes, Total	ND		2.0	0.42	ug/L			11/30/24 15:27	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-636934/9

Matrix: Water

Analysis Batch: 636934

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	105		78 - 122		11/30/24 15:27	1
Dibromofluoromethane (Surr)	87		73 - 120		11/30/24 15:27	1
4-Bromofluorobenzene (Surr)	105		56 - 136		11/30/24 15:27	1
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		11/30/24 15:27	1

Lab Sample ID: LCS 240-636934/5

Matrix: Water

Analysis Batch: 636934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		92	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.6		ug/L		103	51 - 146
1,1,2-Trichloroethane	20.0	18.5		ug/L		92	70 - 138
1,1-Dichloroethane	20.0	19.3		ug/L		97	72 - 127
1,1-Dichloroethene	20.0	21.1		ug/L		106	63 - 134
1,2,4-Trichlorobenzene	20.0	19.2		ug/L		96	44 - 147
1,2-Dibromo-3-Chloropropane	20.0	14.3		ug/L		72	53 - 135
Ethylene Dibromide	20.0	17.3		ug/L		86	71 - 134
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	78 - 120
1,2-Dichloroethane	20.0	16.9		ug/L		85	66 - 128
1,2-Dichloropropane	20.0	18.4		ug/L		92	75 - 133
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	18.4		ug/L		92	80 - 120
2-Butanone (MEK)	40.0	31.3		ug/L		78	54 - 156
2-Hexanone	40.0	35.1		ug/L		88	43 - 167
4-Methyl-2-pentanone (MIBK)	40.0	29.7		ug/L		74	46 - 158
Acetone	40.0	28.9		ug/L		72	50 - 149
Benzene	20.0	20.0		ug/L		100	77 - 123
Dichlorobromomethane	20.0	18.0		ug/L		90	69 - 126
Bromoform	20.0	17.2		ug/L		86	57 - 129
Bromomethane	20.0	13.4		ug/L		67	36 - 142
Carbon disulfide	20.0	23.2		ug/L		116	43 - 140
Carbon tetrachloride	20.0	16.7		ug/L		84	55 - 137
Chlorobenzene	20.0	18.5		ug/L		93	80 - 121
Chloroethane	20.0	16.0		ug/L		80	38 - 152
Chloroform	20.0	18.0		ug/L		90	74 - 122
Chloromethane	20.0	12.0		ug/L		60	47 - 143
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	77 - 123
cis-1,3-Dichloropropene	20.0	15.9		ug/L		79	64 - 130
Cyclohexane	20.0	22.8		ug/L		114	58 - 146
Chlorodibromomethane	20.0	16.1		ug/L		80	70 - 124
Dichlorodifluoromethane	20.0	11.2		ug/L		56	34 - 153
Ethylbenzene	20.0	19.9		ug/L		100	80 - 121
Isopropylbenzene	20.0	23.8		ug/L		119	74 - 128
Methyl acetate	40.0	28.4		ug/L		71	42 - 169
Methyl tert-butyl ether	20.0	19.0		ug/L		95	65 - 126
Methylcyclohexane	20.0	21.3		ug/L		107	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-636934/5

Matrix: Water

Analysis Batch: 636934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	20.0	19.1		ug/L		95	71 - 125
Styrene	20.0	20.7		ug/L		104	80 - 135
Tetrachloroethene	20.0	23.1		ug/L		116	76 - 123
Toluene	20.0	20.2		ug/L		101	80 - 123
trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	75 - 124
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	57 - 129
Trichloroethene	20.0	16.5		ug/L		83	70 - 122
Trichlorofluoromethane	20.0	15.6		ug/L		78	30 - 170
Vinyl chloride	20.0	11.7	*	ug/L		59	60 - 144
Xylenes, Total	40.0	42.2		ug/L		106	80 - 121
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	80 - 120
o-Xylene	20.0	21.2		ug/L		106	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	109		78 - 122
Dibromofluoromethane (Surr)	86		73 - 120
4-Bromofluorobenzene (Surr)	106		56 - 136
1,2-Dichloroethane-d4 (Surr)	97		62 - 137

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-636626/1-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
bis (2-chloroisopropyl) ether	ND		1.0	0.24	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Chlorophenol	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Methylphenol	ND		1.0	0.21	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitroaniline	ND		2.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
2-Nitrophenol	ND		2.0	0.56	ug/L		11/25/24 09:58	11/27/24 08:49	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
3-Nitroaniline	ND		2.0	0.57	ug/L		11/25/24 09:58	11/27/24 08:49	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chloroaniline	ND		2.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		11/25/24 09:58	11/27/24 08:49	1
4-Nitroaniline	ND		2.0	0.33	ug/L		11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636626

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Nitrophenol	ND		10	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acenaphthylene	ND		0.20	0.13	ug/L		11/25/24 09:58	11/27/24 08:49	1
Acetophenone	ND		1.0	0.37	ug/L		11/25/24 09:58	11/27/24 08:49	1
Anthracene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Atrazine	ND		2.0	0.95	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzaldehyde	ND		2.0	0.76	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		11/25/24 09:58	11/27/24 08:49	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/25/24 09:58	11/27/24 08:49	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		11/25/24 09:58	11/27/24 08:49	1
Caprolactam	ND		5.0	3.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Carbazole	ND		1.0	0.49	ug/L		11/25/24 09:58	11/27/24 08:49	1
Chrysene	ND		0.20	0.066	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dibenzofuran	ND		1.0	0.27	ug/L		11/25/24 09:58	11/27/24 08:49	1
Diethyl phthalate	ND		5.0	0.41	ug/L		11/25/24 09:58	11/27/24 08:49	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluoranthene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Fluorene	ND		0.20	0.079	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		11/25/24 09:58	11/27/24 08:49	1
Hexachloroethane	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		11/25/24 09:58	11/27/24 08:49	1
Isophorone	ND		1.0	0.32	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		11/25/24 09:58	11/27/24 08:49	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		11/25/24 09:58	11/27/24 08:49	1
Naphthalene	ND		0.20	0.11	ug/L		11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene	ND		1.0	0.51	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pentachlorophenol	ND		10	3.1	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenanthrene	ND		0.20	0.080	ug/L		11/25/24 09:58	11/27/24 08:49	1
Phenol	ND		1.0	0.40	ug/L		11/25/24 09:58	11/27/24 08:49	1
Pyrene	ND		0.20	0.083	ug/L		11/25/24 09:58	11/27/24 08:49	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		11/25/24 09:58	11/27/24 08:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Terphenyl-d14 (Surr)	67		43 - 136	11/25/24 09:58	11/27/24 08:49	1
Phenol-d5 (Surr)	47		10 - 120	11/25/24 09:58	11/27/24 08:49	1
Nitrobenzene-d5 (Surr)	60		40 - 120	11/25/24 09:58	11/27/24 08:49	1
2-Fluorophenol (Surr)	51		10 - 127	11/25/24 09:58	11/27/24 08:49	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-636626/1-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636626

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	77		41 - 120	11/25/24 09:58	11/27/24 08:49	1
2,4,6-Tribromophenol (Surr)	103		23 - 127	11/25/24 09:58	11/27/24 08:49	1

Lab Sample ID: LCS 240-636626/2-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	23.7		ug/L		74	34 - 126
2,4,5-Trichlorophenol	32.0	28.6		ug/L		89	51 - 129
2,4,6-Trichlorophenol	32.0	27.0		ug/L		84	51 - 128
2,4-Dichlorophenol	32.0	26.6		ug/L		83	57 - 122
2,4-Dimethylphenol	32.0	32.0		ug/L		100	33 - 120
2,4-Dinitrophenol	64.0	55.6		ug/L		87	27 - 126
2,4-Dinitrotoluene	32.0	30.3		ug/L		95	55 - 131
2,6-Dinitrotoluene	32.0	29.9		ug/L		93	54 - 134
2-Chloronaphthalene	32.0	23.4		ug/L		73	50 - 120
2-Chlorophenol	32.0	27.7		ug/L		87	57 - 120
2-Methylnaphthalene	32.0	21.8		ug/L		68	47 - 120
2-Methylphenol	32.0	27.8		ug/L		87	47 - 120
2-Nitroaniline	32.0	28.0		ug/L		87	51 - 138
2-Nitrophenol	32.0	26.6		ug/L		83	53 - 127
3,3'-Dichlorobenzidine	64.0	59.8		ug/L		93	39 - 150
3-Nitroaniline	32.0	29.5		ug/L		92	13 - 156
4,6-Dinitro-2-methylphenol	64.0	64.5		ug/L		101	45 - 130
4-Bromophenyl phenyl ether	32.0	30.0		ug/L		94	51 - 129
4-Chloro-3-methylphenol	32.0	27.5		ug/L		86	57 - 126
4-Chloroaniline	32.0	6.70		ug/L		21	10 - 120
4-Chlorophenyl phenyl ether	32.0	26.4		ug/L		83	52 - 122
4-Nitroaniline	32.0	43.7		ug/L		136	44 - 156
4-Nitrophenol	64.0	41.7		ug/L		65	14 - 120
Acenaphthene	32.0	24.7		ug/L		77	50 - 120
Acenaphthylene	32.0	27.8		ug/L		87	49 - 120
Acetophenone	32.0	25.9		ug/L		81	52 - 120
Anthracene	32.0	29.4		ug/L		92	55 - 124
Atrazine	32.0	33.4		ug/L		104	50 - 152
Benzaldehyde	32.0	31.1		ug/L		97	36 - 168
Benzo[a]anthracene	32.0	29.3		ug/L		91	55 - 130
Benzo[a]pyrene	32.0	31.1		ug/L		97	51 - 123
Benzo[b]fluoranthene	32.0	30.4		ug/L		95	51 - 130
Benzo[g,h,i]perylene	32.0	31.1		ug/L		97	55 - 135
Benzo[k]fluoranthene	32.0	28.0		ug/L		88	53 - 130
Bis(2-chloroethoxy)methane	32.0	24.9		ug/L		78	50 - 121
Bis(2-chloroethyl)ether	32.0	23.3		ug/L		73	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	28.7		ug/L		90	45 - 142
Butyl benzyl phthalate	32.0	27.6		ug/L		86	48 - 140
Caprolactam	32.0	6.88		ug/L		21	10 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-636626/2-A

Matrix: Water

Analysis Batch: 636931

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636626

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Carbazole	32.0	30.5		ug/L		95	56 - 135
Chrysene	32.0	25.8		ug/L		81	52 - 126
Dibenz(a,h)anthracene	32.0	30.1		ug/L		94	57 - 132
Dibenzofuran	32.0	24.6		ug/L		77	52 - 120
Diethyl phthalate	32.0	27.5		ug/L		86	51 - 127
Dimethyl phthalate	32.0	28.5		ug/L		89	40 - 136
Di-n-butyl phthalate	32.0	31.7		ug/L		99	56 - 138
Di-n-octyl phthalate	32.0	28.2		ug/L		88	45 - 135
Fluoranthene	32.0	30.6		ug/L		95	56 - 135
Fluorene	32.0	25.7		ug/L		80	52 - 124
Hexachlorobenzene	32.0	28.7		ug/L		90	49 - 127
Hexachlorobutadiene	32.0	21.4		ug/L		67	36 - 120
Hexachlorocyclopentadiene	32.0	30.1		ug/L		94	10 - 120
Hexachloroethane	32.0	21.0		ug/L		66	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.7		ug/L		96	55 - 134
Isophorone	32.0	26.8		ug/L		84	50 - 127
N-Nitrosodi-n-propylamine	32.0	26.9		ug/L		84	49 - 128
N-Nitrosodiphenylamine	32.0	28.1		ug/L		88	53 - 127
Naphthalene	32.0	22.2		ug/L		69	46 - 120
Nitrobenzene	32.0	24.2		ug/L		76	50 - 123
Pentachlorophenol	64.0	56.9		ug/L		89	24 - 124
Phenanthrene	32.0	26.4		ug/L		83	54 - 120
Phenol	32.0	17.9		ug/L		56	10 - 120
Pyrene	32.0	27.2		ug/L		85	53 - 135
3 & 4 Methylphenol	32.0	25.3		ug/L		79	41 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Terphenyl-d14 (Surr)	81		43 - 136
Phenol-d5 (Surr)	56		10 - 120
Nitrobenzene-d5 (Surr)	76		40 - 120
2-Fluorophenol (Surr)	85		10 - 127
2-Fluorobiphenyl (Surr)	76		41 - 120
2,4,6-Tribromophenol (Surr)	105		23 - 127

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

Lab Sample ID: MB 240-636613/1-A

Matrix: Water

Analysis Batch: 636806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636613

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1016	ND		0.10	0.056	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1221	ND		0.10	0.057	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1232	ND		0.10	0.074	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1242	ND		0.10	0.076	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1248	ND		0.10	0.050	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1254	ND		0.10	0.040	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1260	ND		0.10	0.046	ug/L		11/25/24 09:46	11/26/24 13:27	1
Aroclor-1262	ND		0.10	0.058	ug/L		11/25/24 09:46	11/26/24 13:27	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

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

Lab Sample ID: MB 240-636613/1-A
Matrix: Water
Analysis Batch: 636806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636613

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor-1268	ND		0.10	0.062	ug/L		11/25/24 09:46	11/26/24 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53		10 - 149				11/25/24 09:46	11/26/24 13:27	1
DCB Decachlorobiphenyl	63		10 - 174				11/25/24 09:46	11/26/24 13:27	1

Lab Sample ID: LCS 240-636613/2-A
Matrix: Water
Analysis Batch: 636806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636613

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Aroclor-1016	2.50	1.66		ug/L		67	28 - 140
Aroclor-1260	2.50	1.77		ug/L		71	39 - 153
Surrogate	%Recovery	Qualifier	Limits				
Tetrachloro-m-xylene	61		10 - 149				
DCB Decachlorobiphenyl	60		10 - 174				

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-636631/1-A
Matrix: Water
Analysis Batch: 636996

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 636631

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		11/25/24 14:00	11/26/24 10:52	1
Barium	ND		200	1.3	ug/L		11/25/24 14:00	11/26/24 10:52	1
Cadmium	ND		5.0	0.45	ug/L		11/25/24 14:00	11/26/24 10:52	1
Chromium	ND		10	0.76	ug/L		11/25/24 14:00	11/26/24 10:52	1
Copper	ND		25	3.5	ug/L		11/25/24 14:00	11/26/24 10:52	1
Lead	ND		10	2.8	ug/L		11/25/24 14:00	11/26/24 10:52	1
Selenium	ND		20	6.0	ug/L		11/25/24 14:00	11/26/24 10:52	1
Silver	ND		10	1.4	ug/L		11/25/24 14:00	11/26/24 10:52	1
Zinc	ND		50	23	ug/L		11/25/24 14:00	11/26/24 10:52	1

Lab Sample ID: LCS 240-636631/2-A
Matrix: Water
Analysis Batch: 636996

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 636631

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	2000	1950		ug/L		97	80 - 120
Barium	2000	1860		ug/L		93	80 - 120
Cadmium	1000	933		ug/L		93	80 - 120
Chromium	1000	933		ug/L		93	80 - 120
Copper	1000	925		ug/L		92	80 - 120
Lead	1000	926		ug/L		93	80 - 120
Selenium	2000	1980		ug/L		99	80 - 120
Silver	100	94.5		ug/L		94	80 - 120
Zinc	1000	982		ug/L		98	80 - 120

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-636639/1-A
Matrix: Water
Analysis Batch: 636775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 636639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		11/25/24 14:00	11/25/24 17:33	1

Lab Sample ID: LCS 240-636639/2-A
Matrix: Water
Analysis Batch: 636775

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.30		ug/L		86	80 - 120

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-636459/3
Matrix: Water
Analysis Batch: 636459

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			11/23/24 08:48	1

Lab Sample ID: LCS 240-636459/4
Matrix: Water
Analysis Batch: 636459

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	0.246		mg/L		98	85 - 115

Lab Sample ID: 240-215613-2 MS
Matrix: Water
Analysis Batch: 636459

Client Sample ID: EB-1-20241121
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND	H H3	0.250	0.240		mg/L		96	85 - 115

Lab Sample ID: 240-215613-2 MSD
Matrix: Water
Analysis Batch: 636459

Client Sample ID: EB-1-20241121
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND	H H3	0.250	0.248		mg/L		99	85 - 115	3	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-637297/1-A
Matrix: Water
Analysis Batch: 637323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637297

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		12/02/24 15:04	12/02/24 16:53	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-215613-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 240-637297/2-A
Matrix: Water
Analysis Batch: 637323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637297

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.324		mg/L		99	85 - 115

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-582150/17
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:01	1

Lab Sample ID: MB 410-582150/33
Matrix: Water
Analysis Batch: 582150

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/04/24 13:41	1

Lab Sample ID: LCS 410-582150/32
Matrix: Water
Analysis Batch: 582150

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0520		mg/L		104	82 - 132

QC Association Summary

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

Job ID: 240-215613-1

GC/MS VOA

Analysis Batch: 636934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	8260D	
240-215613-2	EB-1-20241121	Total/NA	Water	8260D	
240-215613-3	TB-5-20241121	Total/NA	Water	8260D	
MB 240-636934/9	Method Blank	Total/NA	Water	8260D	
LCS 240-636934/5	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 636626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	3510C LVI	
240-215613-2	EB-1-20241121	Total/NA	Water	3510C LVI	
MB 240-636626/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	

Analysis Batch: 636931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	8270E	636626
240-215613-2	EB-1-20241121	Total/NA	Water	8270E	636626
MB 240-636626/1-A	Method Blank	Total/NA	Water	8270E	636626
LCS 240-636626/2-A	Lab Control Sample	Total/NA	Water	8270E	636626

GC Semi VOA

Prep Batch: 636613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	3510C	
240-215613-2	EB-1-20241121	Total/NA	Water	3510C	
MB 240-636613/1-A	Method Blank	Total/NA	Water	3510C	
LCS 240-636613/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 636806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	8082A	636613
240-215613-2	EB-1-20241121	Total/NA	Water	8082A	636613
MB 240-636613/1-A	Method Blank	Total/NA	Water	8082A	636613
LCS 240-636613/2-A	Lab Control Sample	Total/NA	Water	8082A	636613

Metals

Prep Batch: 636631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Dissolved	Water	3005A	
240-215613-1	RB-1-20241121	Total Recoverable	Water	3005A	
240-215613-2	EB-1-20241121	Dissolved	Water	3005A	
240-215613-2	EB-1-20241121	Total Recoverable	Water	3005A	
MB 240-636631/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-636631/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 636639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Dissolved	Water	7470A	

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-215613-1

Metals (Continued)

Prep Batch: 636639 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	7470A	
240-215613-2	EB-1-20241121	Dissolved	Water	7470A	
240-215613-2	EB-1-20241121	Total/NA	Water	7470A	
MB 240-636639/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-636639/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 636775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Dissolved	Water	7470A	636639
240-215613-1	RB-1-20241121	Total/NA	Water	7470A	636639
240-215613-2	EB-1-20241121	Dissolved	Water	7470A	636639
240-215613-2	EB-1-20241121	Total/NA	Water	7470A	636639
MB 240-636639/1-A	Method Blank	Total/NA	Water	7470A	636639
LCS 240-636639/2-A	Lab Control Sample	Total/NA	Water	7470A	636639

Analysis Batch: 636996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Dissolved	Water	6010D	636631
240-215613-1	RB-1-20241121	Total Recoverable	Water	6010D	636631
240-215613-2	EB-1-20241121	Dissolved	Water	6010D	636631
240-215613-2	EB-1-20241121	Total Recoverable	Water	6010D	636631
MB 240-636631/1-A	Method Blank	Total Recoverable	Water	6010D	636631
LCS 240-636631/2-A	Lab Control Sample	Total Recoverable	Water	6010D	636631

General Chemistry

Analysis Batch: 582150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	OIA-1677	
240-215613-2	EB-1-20241121	Total/NA	Water	OIA-1677	
MB 410-582150/17	Method Blank	Total/NA	Water	OIA-1677	
MB 410-582150/33	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-582150/32	Lab Control Sample	Total/NA	Water	OIA-1677	

Analysis Batch: 636459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Dissolved	Water	7196A	
240-215613-2	EB-1-20241121	Dissolved	Water	7196A	
MB 240-636459/3	Method Blank	Total/NA	Water	7196A	
LCS 240-636459/4	Lab Control Sample	Total/NA	Water	7196A	
240-215613-2 MS	EB-1-20241121	Dissolved	Water	7196A	
240-215613-2 MSD	EB-1-20241121	Dissolved	Water	7196A	

Prep Batch: 637297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	9012B	
240-215613-2	EB-1-20241121	Total/NA	Water	9012B	
MB 240-637297/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-637297/2-A	Lab Control Sample	Total/NA	Water	9012B	

QC Association Summary

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

Job ID: 240-215613-1

General Chemistry

Analysis Batch: 637323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-215613-1	RB-1-20241121	Total/NA	Water	9012B	637297
240-215613-2	EB-1-20241121	Total/NA	Water	9012B	637297
MB 240-637297/1-A	Method Blank	Total/NA	Water	9012B	637297
LCS 240-637297/2-A	Lab Control Sample	Total/NA	Water	9012B	637297

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Lab Chronicle

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

Job ID: 240-215613-1

Client Sample ID: RB-1-20241121

Lab Sample ID: 240-215613-1

Date Collected: 11/21/24 16:00

Matrix: Water

Date Received: 11/22/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636934	AJS	EET CLE	11/30/24 15:53
Total/NA	Prep	3510C LVI			636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E		1	636931	MRU	EET CLE	11/27/24 14:57
Total/NA	Prep	3510C			636613	GBS	EET CLE	11/25/24 09:46
Total/NA	Analysis	8082A		1	636806	MBB	EET CLE	11/26/24 16:46
Dissolved	Prep	3005A			636631	MN7X	EET CLE	11/25/24 14:00
Dissolved	Analysis	6010D		1	636996	RKT	EET CLE	11/26/24 13:46
Total Recoverable	Prep	3005A			636631	MN7X	EET CLE	11/25/24 14:00
Total Recoverable	Analysis	6010D		1	636996	RKT	EET CLE	11/26/24 13:33
Dissolved	Prep	7470A			636639	MN7X	EET CLE	11/25/24 14:00
Dissolved	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 18:21
Total/NA	Prep	7470A			636639	MN7X	EET CLE	11/25/24 14:00
Total/NA	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 18:19
Dissolved	Analysis	7196A		1	636459	C5SV	EET CLE	11/23/24 08:48
Total/NA	Prep	9012B			637297	C5SV	EET CLE	12/02/24 15:04
Total/NA	Analysis	9012B		25	637323	C5SV	EET CLE	12/02/24 17:52
Total/NA	Analysis	OIA-1677		1	582150	UJE2	ELLE	12/04/24 13:59

Client Sample ID: EB-1-20241121

Lab Sample ID: 240-215613-2

Date Collected: 11/21/24 14:48

Matrix: Water

Date Received: 11/22/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636934	AJS	EET CLE	11/30/24 16:18
Total/NA	Prep	3510C LVI			636626	GBS	EET CLE	11/25/24 09:58
Total/NA	Analysis	8270E		1	636931	MRU	EET CLE	11/27/24 15:20
Total/NA	Prep	3510C			636613	GBS	EET CLE	11/25/24 09:46
Total/NA	Analysis	8082A		1	636806	MBB	EET CLE	11/26/24 17:01
Dissolved	Prep	3005A			636631	MN7X	EET CLE	11/25/24 14:00
Dissolved	Analysis	6010D		1	636996	RKT	EET CLE	11/26/24 14:04
Total Recoverable	Prep	3005A			636631	MN7X	EET CLE	11/25/24 14:00
Total Recoverable	Analysis	6010D		1	636996	RKT	EET CLE	11/26/24 13:51
Dissolved	Prep	7470A			636639	MN7X	EET CLE	11/25/24 14:00
Dissolved	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 18:24
Total/NA	Prep	7470A			636639	MN7X	EET CLE	11/25/24 14:00
Total/NA	Analysis	7470A		1	636775	TQ6W	EET CLE	11/25/24 18:23
Dissolved	Analysis	7196A		1	636459	C5SV	EET CLE	11/23/24 08:48
Total/NA	Prep	9012B			637297	C5SV	EET CLE	12/02/24 15:04
Total/NA	Analysis	9012B		1	637323	C5SV	EET CLE	12/02/24 18:05
Total/NA	Analysis	OIA-1677		1	582150	UJE2	ELLE	12/04/24 13:51

Lab Chronicle

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

Job ID: 240-215613-1

Client Sample ID: TB-5-20241121

Lab Sample ID: 240-215613-3

Date Collected: 11/21/24 00:00

Matrix: Water

Date Received: 11/22/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	636934	AJS	EET CLE	11/30/24 16:44

Laboratory References:

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

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

Job ID: 240-215613-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
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	12-31-24

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	01-31-25
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25

Accreditation/Certification Summary

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

Job ID: 240-215613-1

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
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
Oregon	NELAP	PA200001	09-11-25
Pennsylvania	NELAP	36-00037	01-31-25
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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

Eurofins Cleveland

180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record

Client Information		Sampler: <i>Samson Lee</i>	Lab PM: Kalis, Nicole A	Carrier Tracking No(s):	COC No: 240-125125-43641.1																																																		
Client Contact: Kain Lager-Lowe		Phone:	E-Mail: Nicole.Kalis@et.eurofinsus.com	State of Origin: <i>OH</i>	Page: Page 1 of 1																																																		
Company: August Mack Environmental, Inc.			PWSID:	Analysis Requested																																																			
Address: 7830 North Central Drive, Suite B		Due Date Requested:	<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td><td>8270E - SVOC</td><td>7196A - Dis. Hexavalent Chromium - Field Filter</td><td>6010D, 7470A</td><td>8260D - VOC</td><td>8082A - PCB</td><td>7198A - Total Hex Chrom</td><td>9012B - Total Cyanide</td><td>1677 - Free - Free Cyanide</td><td><i>6010D, 7470A</i></td></tr> <tr><td>City: Lewis Center</td><td>TAT Requested (days): <i>Standard</i></td><td>Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>State, Zip: OH, 43035</td><td>PO #: 20240365</td><td>WO #:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Phone: 740-548-1515(Tel)</td><td>Project #: 24033889</td><td>SSOW#:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Email: klagerlowe@augustmack.com</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>			Field Filtered Sample (Yes or No)	8270E - SVOC	7196A - Dis. Hexavalent Chromium - Field Filter	6010D, 7470A	8260D - VOC	8082A - PCB	7198A - Total Hex Chrom	9012B - Total Cyanide	1677 - Free - Free Cyanide	<i>6010D, 7470A</i>	City: Lewis Center	TAT Requested (days): <i>Standard</i>	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No								State, Zip: OH, 43035	PO #: 20240365	WO #:								Phone: 740-548-1515(Tel)	Project #: 24033889	SSOW#:								Email: klagerlowe@augustmack.com									
Field Filtered Sample (Yes or No)	8270E - SVOC	7196A - Dis. Hexavalent Chromium - Field Filter				6010D, 7470A	8260D - VOC	8082A - PCB	7198A - Total Hex Chrom	9012B - Total Cyanide	1677 - Free - Free Cyanide	<i>6010D, 7470A</i>																																											
City: Lewis Center	TAT Requested (days): <i>Standard</i>	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																																																					
State, Zip: OH, 43035	PO #: 20240365	WO #:																																																					
Phone: 740-548-1515(Tel)	Project #: 24033889	SSOW#:																																																					
Email: klagerlowe@augustmack.com																																																							
Project Name: MSC Canfield		Project #: 24033889																																																					
Site:		SSOW#:																																																					
Site:		SSOW#:																																																					
Site:		SSOW#:																																																					
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)	8270E - SVOC	7196A - Dis. Hexavalent Chromium - Field Filter	6010D, 7470A	8260D - VOC	8082A - PCB	7198A - Total Hex Chrom	9012B - Total Cyanide	1677 - Free - Free Cyanide	<i>6010D, 7470A</i>	Total Number of containers	Preservation Codes: N - None D - HNO3 A - HCL B - NaOH BO - NaOH/NaArsenite																																						
				Preservation Code:			N	N	D	A	N	N	B	BO			Special Instructions/Note:																																						
<i>RB-1-20241124</i>		<i>11/21/24</i>	<i>1600</i>	<i>G</i>	<i>Water</i>	<i>N</i>	<i>2</i>		<i>1</i>	<i>3</i>	<i>2</i>	<i>1</i>	<i>1</i>	<i>X</i>		<i>10</i>																																							
<i>EB-1-20241121</i>		<i>11/21/24</i>	<i>1448</i>	<i>G</i>	<i>Water</i>	<i>N</i>	<i>2</i>		<i>1</i>	<i>3</i>	<i>2</i>	<i>1</i>	<i>1</i>	<i>X</i>		<i>10</i>																																							
<i>TB-5-20241121</i>		<i>11/21/24</i>	<i>x</i>	<i>G</i>	<i>Water</i>	<i>N</i>		<i>X</i>		<i>3</i>						<i>3</i>																																							
<i>RB-1-20241121 - Diss</i>		<i>11/21/24</i>	<i>1600</i>	<i>G</i>	<i>Water</i>	<i>Y</i>			<i>1</i>							<i>2</i>																																							
<i>EB-1-20241121 - Diss</i>		<i>11/21/24</i>	<i>1448</i>	<i>G</i>	<i>Water</i>	<i>Y</i>			<i>1</i>							<i>2</i>																																							
					<i>Water</i>																																																		
					<i>Water</i>																																																		
					<i>Water</i>																																																		
					<i>Water</i>																																																		
					<i>Water</i>																																																		
					<i>Water</i>																																																		
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																																																	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																	
Deliverable Requested: <i>I, II, III, IV, Other (specify)</i>						Special Instructions/QC Requirements:																																																	
Empty Kit Relinquished by:			Date:	Time:	Method of Shipment:																																																		
Relinquished by: <i>Samson Lee</i>		Date/Time: <i>11/22/24 1755</i>	Company: <i>AME</i>	Received by: <i>Katharine Martijn</i>		Date/Time: <i>11/22/24 1455</i>	Company: <i>EUR</i>																																																
Relinquished by: <i>Sam W. Lee</i>		Date/Time: <i>11/22/24 1614</i>	Company: <i>EUR</i>	Received by: KATHARINE MÄRTJN		Date/Time: <i>11/22/24 1614</i>	Company: <i>EUR</i>																																																
Relinquished by:		Date/Time:	Company:	Received by:		Date/Time:	Company:																																																
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:																																																		



Eurofins Cleveland Sample Receipt Form/Narrative
 Barberon Facility
 Login # _____

Client August Mack Site Name _____ Cooler unpacked by Marlin

Cooler Received on 11/22/24 Opened on 11/23/24

FedEx 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Center Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EL 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 # 21 (CF 10.2 °C) Observed Cooler Temp _____ °C Corrected Cooler Temp _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes NA No NA

-Were the seals on the outside of the cooler(s) signed & dated? Yes NA No NA

-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes NA No NA

-Were tamper/custody seals intact and uncompromised? Yes NA No NA

3 Shippers' packing slip attached to the cooler(s)? Yes NA No NA

4 Did custody papers accompany the sample(s)? Yes NA No NA

5 Were the custody papers relinquished & signed in the appropriate place? Yes NA No NA

6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes NA No NA

7 Did all bottles arrive in good condition (Unbroken)? Yes NA No NA

8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes NA No NA

9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes NA No NA

10 Were correct bottle(s) used for the test(s) indicated? Yes NA No NA

11 Sufficient quantity received to perform indicated analyses? Yes NA No NA

12. Are these work share samples and all listed on the COC? Yes NA No NA

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 NA No NA PH Strip Lot# HC448976

14 Were VOAs on the COC? Yes NA No NA

15 Were air bubbles >6 mm in any VOA vials? Chemical Lot # Yes NA No NA

16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # 63271 Yes NA No NA

17 Was a LL Hg or Me Hg trip blank present? Yes NA No NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by: received 1 TB empty

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 _____

Login #: _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
<input checked="" type="radio"/> Client Box Other	IR GUN #: 21	19	2.1	<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: 1	17	19	<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: 1	36	38	<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: 1	38	40	<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: 14	14	16	<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None
<input checked="" type="radio"/> Client Box Other	IR GUN #: _____			<input checked="" type="radio"/> Wet Ice Blue Ice Dry Ice Water None

See Temperature Excursion Form



Temperature readings

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservation Temp</u>	<u>Preservation Added</u>	<u>Preservation Lot Number</u>
RB-1-20241121	240-215613-A-1	Yoa Vial 40ml - Hydrochloric Acid				
RB-1-20241121	240-215613-B-1	Yoa Vial 40ml - Hydrochloric Acid				
RB-1-20241121	240-215613-C-1	Yoa Vial 40ml - Hydrochloric Acid				
RB-1-20241121	240-215613-D-1	Amber Plastic 125 mL - NaOH	>12			
RB-1-20241121	240-215613-E-1	Amber Glass 250ml - unpreserved				
RB-1-20241121	240-215613-F-1	Amber Glass 250ml - unpreserved				
RB-1-20241121	240-215613-G-1	Plastic 250ml - with Sodium Hydroxide				
RB-1-20241121	240-215613-H-1	Plastic 500 mL - unpreserved - dis				
RB-1-20241121	240-215613-I-1	Plastic 500ml - with Nitric Acid	<2			
RB-1-20241121	240-215613-J-1	Plastic 500ml - w/ Nitric - Dis.	<2			
RB-1-20241121	240-215613-K-1	Amber Glass 1 liter - unpreserved				
RB-1-20241121	240-215613-L-1	Amber Glass 1 liter - unpreserved				
EB-1-20241121	240-215613-A-2	Yoa Vial 40ml - Hydrochloric Acid				
EB-1-20241121	240-215613-B-2	Yoa Vial 40ml - Hydrochloric Acid				
EB-1-20241121	240-215613-C-2	Yoa Vial 40ml - Hydrochloric Acid				
EB-1-20241121	240-215613-D-2	Amber Plastic 125 mL - NaOH	>12			
EB-1-20241121	240-215613-E-2	Amber Glass 250ml - unpreserved				
EB-1-20241121	240-215613-F-2	Amber Glass 250ml - unpreserved				
EB-1-20241121	240-215613-G-2	Plastic 250ml - with Sodium Hydroxide				
EB-1-20241121	240-215613-H-2	Plastic 500 mL - unpreserved - dis				
EB-1-20241121	240-215613-I-2	Plastic 500ml - with Nitric Acid	<2			
EB-1-20241121	240-215613-J-2	Plastic 500ml - w/ Nitric - Dis	<2			
EB-1-20241121	240-215613-K-2	Amber Glass 1 liter - unpreserved				
EB-1-20241121	240-215613-L-2	Amber Glass 1 liter - unpreserved				
TB-5-20241121	240-215613-A-3	Yoa Vial 40ml - Hydrochloric Acid				
TB-5-20241121	240-215613-B-3	Yoa Vial 40ml - Hydrochloric Acid				
TB-5-20241121	240-215613-C-3	Yoa Vial 40ml - Hydrochloric Acid				

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler N/A		Lab PM Kalis, Nicole A		Carrier Tracking No(s) N/A		COC No: 240-194461.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1			
Company Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-215613-1			
Address: 2425 New Holland Pike,		Due Date Requested: 12/9/2024		Analysis Requested						Preservation Codes:	
City: Lancaster		TAT Requested (days): N/A								Other: N/A	
State, Zip: PA, 17601		PO #: N/A									
Phone: 717-656-2300(Tel)		WO #: N/A									
Email: N/A		Project #: 24033889									
Project Name: MSC Canfield		SSOW#: N/A		Site: N/A		Total Number of Containers		Special Instructions/Note:			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, ST=Sludge, A=Air)	Field Filtered Sample (Yes or No)	Perform mSWMSD (Yes or No)	1677_Feet Cyanide, Free	Special Instructions/Note:		
RB-1-20241121 (240-215613-1)		11/21/24	16:00 Eastern	G	Water		X		Use caution! Site contaminated with solvent waste		
EB-1-20241121 (240-215613-2)		11/21/24	14:48 Eastern	G	Water		X		Use caution! Site contaminated with solvent waste		
<p>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 listed above for analysis/test/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</p>											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		Special Instructions/QC Requirements:						
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: MALISSA LOAR			Date/Time: 11/25/24		Company:		Received by:		Date/Time:		
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		
Relinquished by:			Date/Time:		Company:		Received by: JTC		Date/Time: 11/26/24 10:10		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:			C1.9 C1.8			

NY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-215613-1

Login Number: 215613

List Number: 2

Creator: Santiago, Nathaniel

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Creation: 11/26/24 11:33 AM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required (<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/6/2025 8:09:15 PM Revision 1

JOB DESCRIPTION

MSC Canfield - Groundwater

JOB NUMBER

240-216073-1

Eurofins Cleveland

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
1/6/2025 8:09:15 PM
Revision 1

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	7
Sample Summary	8
Detection Summary	9
Client Sample Results	10
Surrogate Summary	20
QC Sample Results	21
QC Association Summary	39
Lab Chronicle	42
Certification Summary	44
Chain of Custody	46
Receipt Checklists	52

Definitions/Glossary

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

Job ID: 240-216073-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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.

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-216073-1

Job ID: 240-216073-1

Eurofins Cleveland

Job Narrative 240-216073-1

REVISION

The report being provided is a revision of the original report sent on 12/19/2024. The report (revision 1) is being revised due to The client required the full list of SVOCs to be analyzed..

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 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4°C and 2.8°C.

GC/MS VOA

Method 8260D: The initial calibration verification (ICV) result for batch 240-636488 was above the upper control limit. The affected analytes are: Bromomethane and Acrolein. Sample results were non-detects, and have been reported as qualified data.

Method 8260D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 240-638004 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260D: The continuing calibration verification (CCV) associated with batch 240-638004 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-2-20241204 (240-216073-1), MW-1-20241204 (240-216073-3) and TB-2-20241204 (240-216073-6).

Method 8260D: The LCS result for batch 240-638004 was above the upper calibration limit, an E-qualifier. The affected analyte is: Bromomethane. Sample results (LCS 240-638004/6) were non-detects, and have been reported as qualified data.

Method 8260D: The continuing calibration verification (CCV) result for batch 240-638004 was above the upper calibration limit an E-qualifier. The affected analyte is: Bromomethane. Sample results (CCVIS 240-638004/4) were non-detects, and have been reported as qualified data.

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

GC/MS Semi VOA

Method 8270E: The continuing calibration verification (CCV) associated with batch 240-638007 recovered above the upper control limit for Atrazine. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data has been reported. The associated samples are impacted: MW-2-20241204 (240-216073-1) and MW-1-20241204 (240-216073-3).

Method 8270E: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW-1-20241204 (240-216073-3[MSD]). These results have been reported and qualified.

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

PCBs

Method 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 240-637857 and analytical

Eurofins Cleveland

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield - Groundwater

Job ID: 240-216073-1

Job ID: 240-216073-1 (Continued)

Eurofins Cleveland

batch 240-637991 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

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.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Eurofins Cleveland

Method Summary

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

Job ID: 240-216073-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CLE
6010D	Metals (ICP)	SW846	EET CLE
7470A	Mercury (CVAA)	SW846	EET CLE
7196A	Chromium, Hexavalent	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable	SW846	EET CLE
OIA-1677	Cyanide, Free (Flow Injection)	OI CORP	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE
7470A	Preparation, Mercury	SW846	EET CLE
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET CLE

Protocol References:

OI CORP = OI Corporation Instrument Manual.

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

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

Sample Summary

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

Job ID: 240-216073-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
240-216073-1	MW-2-20241204	Water	12/04/24 15:10	12/05/24 13:00
240-216073-3	MW-1-20241204	Water	12/04/24 18:24	12/05/24 13:00
240-216073-6	TB-2-20241204	Water	12/04/24 00:00	12/05/24 13:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

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

Job ID: 240-216073-1

Client Sample ID: MW-2-20241204

Lab Sample ID: 240-216073-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	21		15	4.1	ug/L	1		6010D	Total
Barium	93	J	200	1.3	ug/L	1		6010D	Total
Chromium	12		10	0.76	ug/L	1		6010D	Total
Copper	33		25	3.5	ug/L	1		6010D	Total
Lead	28		10	2.8	ug/L	1		6010D	Total
Zinc	74		50	23	ug/L	1		6010D	Total
Arsenic	20		15	4.1	ug/L	1		6010D	Dissolved
Barium	78	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	11		10	0.76	ug/L	1		6010D	Dissolved
Copper	28		25	3.5	ug/L	1		6010D	Dissolved
Lead	15		10	2.8	ug/L	1		6010D	Dissolved
Zinc	54		50	23	ug/L	1		6010D	Dissolved

Client Sample ID: MW-1-20241204

Lab Sample ID: 240-216073-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	27		15	4.1	ug/L	1		6010D	Total
Barium	37	J	200	1.3	ug/L	1		6010D	Total
Chromium	4.2	J	10	0.76	ug/L	1		6010D	Total
Copper	3.7	J	25	3.5	ug/L	1		6010D	Total
Arsenic	26		15	4.1	ug/L	1		6010D	Dissolved
Barium	34	J	200	1.3	ug/L	1		6010D	Dissolved
Chromium	2.6	J	10	0.76	ug/L	1		6010D	Dissolved

Client Sample ID: TB-2-20241204

Lab Sample ID: 240-216073-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-2-20241204

Lab Sample ID: 240-216073-1

Date Collected: 12/04/24 15:10

Matrix: Water

Date Received: 12/05/24 13:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 15:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			12/09/24 15:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			12/09/24 15:03	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 15:03	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			12/09/24 15:03	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			12/09/24 15:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			12/09/24 15:03	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			12/09/24 15:03	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			12/09/24 15:03	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			12/09/24 15:03	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			12/09/24 15:03	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			12/09/24 15:03	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			12/09/24 15:03	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			12/09/24 15:03	1
2-Butanone (MEK)	ND		10	1.2	ug/L			12/09/24 15:03	1
2-Hexanone	ND		10	1.1	ug/L			12/09/24 15:03	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			12/09/24 15:03	1
Acetone	ND		10	5.4	ug/L			12/09/24 15:03	1
Benzene	ND		1.0	0.42	ug/L			12/09/24 15:03	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			12/09/24 15:03	1
Bromoform	ND		1.0	0.76	ug/L			12/09/24 15:03	1
Bromomethane	ND		1.0	0.42	ug/L			12/09/24 15:03	1
Carbon disulfide	ND		1.0	0.59	ug/L			12/09/24 15:03	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			12/09/24 15:03	1
Chlorobenzene	ND		1.0	0.38	ug/L			12/09/24 15:03	1
Chloroethane	ND		1.0	0.83	ug/L			12/09/24 15:03	1
Chloroform	ND		1.0	0.47	ug/L			12/09/24 15:03	1
Chloromethane	ND		1.0	0.63	ug/L			12/09/24 15:03	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			12/09/24 15:03	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			12/09/24 15:03	1
Cyclohexane	ND		1.0	0.48	ug/L			12/09/24 15:03	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			12/09/24 15:03	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			12/09/24 15:03	1
Ethylbenzene	ND		1.0	0.42	ug/L			12/09/24 15:03	1
Isopropylbenzene	ND		1.0	0.49	ug/L			12/09/24 15:03	1
Methyl acetate	ND		10	1.7	ug/L			12/09/24 15:03	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			12/09/24 15:03	1
Methylcyclohexane	ND		1.0	0.33	ug/L			12/09/24 15:03	1
Methylene Chloride	ND		5.0	2.6	ug/L			12/09/24 15:03	1
Styrene	ND		1.0	0.45	ug/L			12/09/24 15:03	1
Tetrachloroethene	ND		1.0	0.44	ug/L			12/09/24 15:03	1
Toluene	ND		1.0	0.44	ug/L			12/09/24 15:03	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			12/09/24 15:03	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			12/09/24 15:03	1
Trichloroethene	ND		1.0	0.44	ug/L			12/09/24 15:03	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			12/09/24 15:03	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/09/24 15:03	1
Xylenes, Total	ND		2.0	0.42	ug/L			12/09/24 15:03	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-2-20241204

Lab Sample ID: 240-216073-1

Date Collected: 12/04/24 15:10

Matrix: Water

Date Received: 12/05/24 13:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		78 - 122		12/09/24 15:03	1
Dibromofluoromethane (Surr)	97		73 - 120		12/09/24 15:03	1
4-Bromofluorobenzene (Surr)	97		56 - 136		12/09/24 15:03	1
1,2-Dichloroethane-d4 (Surr)	113		62 - 137		12/09/24 15:03	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		1.0	0.49	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.24	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		12/06/24 09:14	12/09/24 11:22	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		12/06/24 09:14	12/09/24 11:22	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		12/06/24 09:14	12/09/24 11:22	1
2-Chlorophenol	ND		1.0	0.27	ug/L		12/06/24 09:14	12/09/24 11:22	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		12/06/24 09:14	12/09/24 11:22	1
2-Methylphenol	ND		1.0	0.21	ug/L		12/06/24 09:14	12/09/24 11:22	1
2-Nitroaniline	ND		2.0	0.51	ug/L		12/06/24 09:14	12/09/24 11:22	1
2-Nitrophenol	ND		2.0	0.56	ug/L		12/06/24 09:14	12/09/24 11:22	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		12/06/24 09:14	12/09/24 11:22	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		12/06/24 09:14	12/09/24 11:22	1
3-Nitroaniline	ND		2.0	0.57	ug/L		12/06/24 09:14	12/09/24 11:22	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		12/06/24 09:14	12/09/24 11:22	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		12/06/24 09:14	12/09/24 11:22	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		12/06/24 09:14	12/09/24 11:22	1
4-Chloroaniline	ND		2.0	0.32	ug/L		12/06/24 09:14	12/09/24 11:22	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		12/06/24 09:14	12/09/24 11:22	1
4-Nitroaniline	ND		2.0	0.33	ug/L		12/06/24 09:14	12/09/24 11:22	1
4-Nitrophenol	ND		10	2.2	ug/L		12/06/24 09:14	12/09/24 11:22	1
Acenaphthene	ND		0.20	0.17	ug/L		12/06/24 09:14	12/09/24 11:22	1
Acenaphthylene	ND		0.20	0.13	ug/L		12/06/24 09:14	12/09/24 11:22	1
Acetophenone	ND		1.0	0.37	ug/L		12/06/24 09:14	12/09/24 11:22	1
Anthracene	ND		0.20	0.14	ug/L		12/06/24 09:14	12/09/24 11:22	1
Atrazine	ND		2.0	0.95	ug/L		12/06/24 09:14	12/09/24 11:22	1
Benzaldehyde	ND		2.0	0.76	ug/L		12/06/24 09:14	12/09/24 11:22	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		12/06/24 09:14	12/09/24 11:22	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		12/06/24 09:14	12/09/24 11:22	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		12/06/24 09:14	12/09/24 11:22	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		12/06/24 09:14	12/09/24 11:22	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		12/06/24 09:14	12/09/24 11:22	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		12/06/24 09:14	12/09/24 11:22	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		12/06/24 09:14	12/09/24 11:22	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/06/24 09:14	12/09/24 11:22	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		12/06/24 09:14	12/09/24 11:22	1
Caprolactam	ND		5.0	3.8	ug/L		12/06/24 09:14	12/09/24 11:22	1
Carbazole	ND		1.0	0.49	ug/L		12/06/24 09:14	12/09/24 11:22	1
Chrysene	ND		0.20	0.066	ug/L		12/06/24 09:14	12/09/24 11:22	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-2-20241204

Lab Sample ID: 240-216073-1

Date Collected: 12/04/24 15:10

Matrix: Water

Date Received: 12/05/24 13:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		12/06/24 09:14	12/09/24 11:22	1
Dibenzofuran	ND		1.0	0.27	ug/L		12/06/24 09:14	12/09/24 11:22	1
Diethyl phthalate	ND		5.0	0.41	ug/L		12/06/24 09:14	12/09/24 11:22	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		12/06/24 09:14	12/09/24 11:22	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		12/06/24 09:14	12/09/24 11:22	1
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		12/06/24 09:14	12/09/24 11:22	1
Fluoranthene	ND		0.20	0.16	ug/L		12/06/24 09:14	12/09/24 11:22	1
Fluorene	ND		0.20	0.079	ug/L		12/06/24 09:14	12/09/24 11:22	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		12/06/24 09:14	12/09/24 11:22	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		12/06/24 09:14	12/09/24 11:22	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		12/06/24 09:14	12/09/24 11:22	1
Hexachloroethane	ND		1.0	0.40	ug/L		12/06/24 09:14	12/09/24 11:22	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		12/06/24 09:14	12/09/24 11:22	1
Isophorone	ND		1.0	0.32	ug/L		12/06/24 09:14	12/09/24 11:22	1
Naphthalene	ND		0.20	0.11	ug/L		12/06/24 09:14	12/09/24 11:22	1
Nitrobenzene	ND		1.0	0.51	ug/L		12/06/24 09:14	12/09/24 11:22	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		12/06/24 09:14	12/09/24 11:22	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		12/06/24 09:14	12/09/24 11:22	1
Pentachlorophenol	ND		10	3.1	ug/L		12/06/24 09:14	12/09/24 11:22	1
Phenanthrene	ND		0.20	0.080	ug/L		12/06/24 09:14	12/09/24 11:22	1
Phenol	ND		1.0	0.40	ug/L		12/06/24 09:14	12/09/24 11:22	1
Pyrene	ND		0.20	0.083	ug/L		12/06/24 09:14	12/09/24 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		23 - 127	12/06/24 09:14	12/09/24 11:22	1
2-Fluorobiphenyl (Surr)	80		41 - 120	12/06/24 09:14	12/09/24 11:22	1
2-Fluorophenol (Surr)	81		10 - 127	12/06/24 09:14	12/09/24 11:22	1
Nitrobenzene-d5 (Surr)	79		40 - 120	12/06/24 09:14	12/09/24 11:22	1
Phenol-d5 (Surr)	86		10 - 120	12/06/24 09:14	12/09/24 11:22	1
Terphenyl-d14 (Surr)	73		43 - 136	12/06/24 09:14	12/09/24 11:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.097	0.054	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1221	ND		0.097	0.055	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1232	ND		0.097	0.072	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1242	ND		0.097	0.074	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1248	ND		0.097	0.049	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1254	ND		0.097	0.039	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1260	ND		0.097	0.045	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1262	ND		0.097	0.056	ug/L		12/06/24 09:24	12/09/24 16:19	1
Aroclor-1268	ND		0.097	0.060	ug/L		12/06/24 09:24	12/09/24 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	84		10 - 149	12/06/24 09:24	12/09/24 16:19	1
DCB Decachlorobiphenyl	50		10 - 174	12/06/24 09:24	12/09/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		15	4.1	ug/L		12/06/24 14:00	12/11/24 04:45	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-2-20241204

Lab Sample ID: 240-216073-1

Date Collected: 12/04/24 15:10

Matrix: Water

Date Received: 12/05/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	93	J	200	1.3	ug/L		12/06/24 14:00	12/11/24 04:45	1
Cadmium	ND		5.0	0.45	ug/L		12/06/24 14:00	12/11/24 04:45	1
Chromium	12		10	0.76	ug/L		12/06/24 14:00	12/11/24 04:45	1
Copper	33		25	3.5	ug/L		12/06/24 14:00	12/11/24 04:45	1
Lead	28		10	2.8	ug/L		12/06/24 14:00	12/11/24 04:45	1
Selenium	ND		20	6.0	ug/L		12/06/24 14:00	12/11/24 04:45	1
Silver	ND		10	1.4	ug/L		12/06/24 14:00	12/11/24 04:45	1
Zinc	74		50	23	ug/L		12/06/24 14:00	12/11/24 04:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20		15	4.1	ug/L		12/06/24 14:00	12/11/24 04:49	1
Barium	78	J	200	1.3	ug/L		12/06/24 14:00	12/11/24 04:49	1
Cadmium	ND		5.0	0.45	ug/L		12/06/24 14:00	12/11/24 04:49	1
Chromium	11		10	0.76	ug/L		12/06/24 14:00	12/11/24 04:49	1
Copper	28		25	3.5	ug/L		12/06/24 14:00	12/11/24 04:49	1
Lead	15		10	2.8	ug/L		12/06/24 14:00	12/11/24 04:49	1
Selenium	ND		20	6.0	ug/L		12/06/24 14:00	12/11/24 04:49	1
Silver	ND		10	1.4	ug/L		12/06/24 14:00	12/11/24 04:49	1
Zinc	54		50	23	ug/L		12/06/24 14:00	12/11/24 04:49	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		12/06/24 14:00	12/09/24 13:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		12/06/24 14:00	12/09/24 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0060	mg/L		12/11/24 15:04	12/11/24 16:44	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/10/24 12:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			12/05/24 14:07	1

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-1-20241204

Lab Sample ID: 240-216073-3

Date Collected: 12/04/24 18:24

Matrix: Water

Date Received: 12/05/24 13:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 15:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			12/09/24 15:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			12/09/24 15:23	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 15:23	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			12/09/24 15:23	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			12/09/24 15:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			12/09/24 15:23	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			12/09/24 15:23	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			12/09/24 15:23	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			12/09/24 15:23	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			12/09/24 15:23	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			12/09/24 15:23	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			12/09/24 15:23	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			12/09/24 15:23	1
2-Butanone (MEK)	ND		10	1.2	ug/L			12/09/24 15:23	1
2-Hexanone	ND		10	1.1	ug/L			12/09/24 15:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			12/09/24 15:23	1
Acetone	ND		10	5.4	ug/L			12/09/24 15:23	1
Benzene	ND		1.0	0.42	ug/L			12/09/24 15:23	1
Dichlorobromomethane	ND	F2	1.0	0.38	ug/L			12/09/24 15:23	1
Bromoform	ND		1.0	0.76	ug/L			12/09/24 15:23	1
Bromomethane	ND		1.0	0.42	ug/L			12/09/24 15:23	1
Carbon disulfide	ND		1.0	0.59	ug/L			12/09/24 15:23	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			12/09/24 15:23	1
Chlorobenzene	ND		1.0	0.38	ug/L			12/09/24 15:23	1
Chloroethane	ND		1.0	0.83	ug/L			12/09/24 15:23	1
Chloroform	ND		1.0	0.47	ug/L			12/09/24 15:23	1
Chloromethane	ND		1.0	0.63	ug/L			12/09/24 15:23	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			12/09/24 15:23	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			12/09/24 15:23	1
Cyclohexane	ND		1.0	0.48	ug/L			12/09/24 15:23	1
Chlorodibromomethane	ND	F2	1.0	0.39	ug/L			12/09/24 15:23	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			12/09/24 15:23	1
Ethylbenzene	ND		1.0	0.42	ug/L			12/09/24 15:23	1
Isopropylbenzene	ND		1.0	0.49	ug/L			12/09/24 15:23	1
Methyl acetate	ND		10	1.7	ug/L			12/09/24 15:23	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			12/09/24 15:23	1
Methylcyclohexane	ND		1.0	0.33	ug/L			12/09/24 15:23	1
Methylene Chloride	ND		5.0	2.6	ug/L			12/09/24 15:23	1
Styrene	ND		1.0	0.45	ug/L			12/09/24 15:23	1
Tetrachloroethene	ND		1.0	0.44	ug/L			12/09/24 15:23	1
Toluene	ND		1.0	0.44	ug/L			12/09/24 15:23	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			12/09/24 15:23	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			12/09/24 15:23	1
Trichloroethene	ND		1.0	0.44	ug/L			12/09/24 15:23	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			12/09/24 15:23	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/09/24 15:23	1
Xylenes, Total	ND		2.0	0.42	ug/L			12/09/24 15:23	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-1-20241204

Lab Sample ID: 240-216073-3

Date Collected: 12/04/24 18:24

Matrix: Water

Date Received: 12/05/24 13:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		78 - 122		12/09/24 15:23	1
Dibromofluoromethane (Surr)	94		73 - 120		12/09/24 15:23	1
4-Bromofluorobenzene (Surr)	95		56 - 136		12/09/24 15:23	1
1,2-Dichloroethane-d4 (Surr)	112		62 - 137		12/09/24 15:23	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	ND		0.96	0.47	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,2'-oxybis[1-chloropropane]	ND		0.96	0.23	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,4,5-Trichlorophenol	ND		4.8	1.9	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,4,6-Trichlorophenol	ND		4.8	1.7	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,4-Dichlorophenol	ND		1.9	0.25	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,4-Dimethylphenol	ND		1.9	0.24	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,4-Dinitrophenol	ND		9.6	2.5	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,4-Dinitrotoluene	ND		4.8	2.0	ug/L		12/06/24 09:14	12/09/24 11:44	1
2,6-Dinitrotoluene	ND		4.8	1.0	ug/L		12/06/24 09:14	12/09/24 11:44	1
2-Chloronaphthalene	ND		0.96	0.22	ug/L		12/06/24 09:14	12/09/24 11:44	1
2-Chlorophenol	ND		0.96	0.26	ug/L		12/06/24 09:14	12/09/24 11:44	1
2-Methylnaphthalene	ND		0.19	0.11	ug/L		12/06/24 09:14	12/09/24 11:44	1
2-Methylphenol	ND		0.96	0.20	ug/L		12/06/24 09:14	12/09/24 11:44	1
2-Nitroaniline	ND		1.9	0.49	ug/L		12/06/24 09:14	12/09/24 11:44	1
2-Nitrophenol	ND		1.9	0.54	ug/L		12/06/24 09:14	12/09/24 11:44	1
3 & 4 Methylphenol	ND		1.9	0.18	ug/L		12/06/24 09:14	12/09/24 11:44	1
3,3'-Dichlorobenzidine	ND		4.8	1.1	ug/L		12/06/24 09:14	12/09/24 11:44	1
3-Nitroaniline	ND		1.9	0.54	ug/L		12/06/24 09:14	12/09/24 11:44	1
4,6-Dinitro-2-methylphenol	ND		4.8	2.7	ug/L		12/06/24 09:14	12/09/24 11:44	1
4-Bromophenyl phenyl ether	ND		1.9	0.48	ug/L		12/06/24 09:14	12/09/24 11:44	1
4-Chloro-3-methylphenol	ND		1.9	0.28	ug/L		12/06/24 09:14	12/09/24 11:44	1
4-Chloroaniline	ND		1.9	0.30	ug/L		12/06/24 09:14	12/09/24 11:44	1
4-Chlorophenyl phenyl ether	ND		1.9	0.53	ug/L		12/06/24 09:14	12/09/24 11:44	1
4-Nitroaniline	ND		1.9	0.31	ug/L		12/06/24 09:14	12/09/24 11:44	1
4-Nitrophenol	ND		9.6	2.1	ug/L		12/06/24 09:14	12/09/24 11:44	1
Acenaphthene	ND		0.19	0.17	ug/L		12/06/24 09:14	12/09/24 11:44	1
Acenaphthylene	ND		0.19	0.12	ug/L		12/06/24 09:14	12/09/24 11:44	1
Acetophenone	ND		0.96	0.35	ug/L		12/06/24 09:14	12/09/24 11:44	1
Anthracene	ND		0.19	0.13	ug/L		12/06/24 09:14	12/09/24 11:44	1
Atrazine	ND		1.9	0.92	ug/L		12/06/24 09:14	12/09/24 11:44	1
Benzaldehyde	ND		1.9	0.73	ug/L		12/06/24 09:14	12/09/24 11:44	1
Benzo[a]anthracene	ND		0.19	0.065	ug/L		12/06/24 09:14	12/09/24 11:44	1
Benzo[a]pyrene	ND		0.19	0.17	ug/L		12/06/24 09:14	12/09/24 11:44	1
Benzo[b]fluoranthene	ND		0.19	0.15	ug/L		12/06/24 09:14	12/09/24 11:44	1
Benzo[g,h,i]perylene	ND		0.19	0.17	ug/L		12/06/24 09:14	12/09/24 11:44	1
Benzo[k]fluoranthene	ND		0.19	0.13	ug/L		12/06/24 09:14	12/09/24 11:44	1
Bis(2-chloroethoxy)methane	ND		0.96	0.21	ug/L		12/06/24 09:14	12/09/24 11:44	1
Bis(2-chloroethyl)ether	ND		0.96	0.39	ug/L		12/06/24 09:14	12/09/24 11:44	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		12/06/24 09:14	12/09/24 11:44	1
Butyl benzyl phthalate	ND		1.9	0.64	ug/L		12/06/24 09:14	12/09/24 11:44	1
Caprolactam	ND		4.8	3.7	ug/L		12/06/24 09:14	12/09/24 11:44	1
Carbazole	ND		0.96	0.47	ug/L		12/06/24 09:14	12/09/24 11:44	1
Chrysene	ND		0.19	0.063	ug/L		12/06/24 09:14	12/09/24 11:44	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-1-20241204

Lab Sample ID: 240-216073-3

Date Collected: 12/04/24 18:24

Matrix: Water

Date Received: 12/05/24 13:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.19	0.15	ug/L		12/06/24 09:14	12/09/24 11:44	1
Dibenzofuran	ND		0.96	0.26	ug/L		12/06/24 09:14	12/09/24 11:44	1
Diethyl phthalate	ND		4.8	0.39	ug/L		12/06/24 09:14	12/09/24 11:44	1
Dimethyl phthalate	ND		1.9	0.50	ug/L		12/06/24 09:14	12/09/24 11:44	1
Di-n-butyl phthalate	ND		4.8	1.7	ug/L		12/06/24 09:14	12/09/24 11:44	1
Di-n-octyl phthalate	ND		1.9	0.79	ug/L		12/06/24 09:14	12/09/24 11:44	1
Fluoranthene	ND		0.19	0.15	ug/L		12/06/24 09:14	12/09/24 11:44	1
Fluorene	ND		0.19	0.076	ug/L		12/06/24 09:14	12/09/24 11:44	1
Hexachlorobenzene	ND		0.19	0.15	ug/L		12/06/24 09:14	12/09/24 11:44	1
Hexachlorobutadiene	ND		0.96	0.52	ug/L		12/06/24 09:14	12/09/24 11:44	1
Hexachlorocyclopentadiene	ND		9.6	1.7	ug/L		12/06/24 09:14	12/09/24 11:44	1
Hexachloroethane	ND		0.96	0.38	ug/L		12/06/24 09:14	12/09/24 11:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.13	ug/L		12/06/24 09:14	12/09/24 11:44	1
Isophorone	ND		0.96	0.31	ug/L		12/06/24 09:14	12/09/24 11:44	1
Naphthalene	ND		0.19	0.10	ug/L		12/06/24 09:14	12/09/24 11:44	1
Nitrobenzene	ND		0.96	0.49	ug/L		12/06/24 09:14	12/09/24 11:44	1
N-Nitrosodi-n-propylamine	ND		0.96	0.24	ug/L		12/06/24 09:14	12/09/24 11:44	1
N-Nitrosodiphenylamine	ND		0.96	0.42	ug/L		12/06/24 09:14	12/09/24 11:44	1
Pentachlorophenol	ND		9.6	3.0	ug/L		12/06/24 09:14	12/09/24 11:44	1
Phenanthrene	ND		0.19	0.077	ug/L		12/06/24 09:14	12/09/24 11:44	1
Phenol	ND		0.96	0.39	ug/L		12/06/24 09:14	12/09/24 11:44	1
Pyrene	ND		0.19	0.080	ug/L		12/06/24 09:14	12/09/24 11:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		23 - 127	12/06/24 09:14	12/09/24 11:44	1
2-Fluorobiphenyl (Surr)	77		41 - 120	12/06/24 09:14	12/09/24 11:44	1
2-Fluorophenol (Surr)	82		10 - 127	12/06/24 09:14	12/09/24 11:44	1
Nitrobenzene-d5 (Surr)	75		40 - 120	12/06/24 09:14	12/09/24 11:44	1
Phenol-d5 (Surr)	74		10 - 120	12/06/24 09:14	12/09/24 11:44	1
Terphenyl-d14 (Surr)	86		43 - 136	12/06/24 09:14	12/09/24 11:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND	F1	0.095	0.053	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1221	ND		0.095	0.054	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1232	ND		0.095	0.070	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1242	ND		0.095	0.072	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1248	ND		0.095	0.048	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1254	ND		0.095	0.038	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1260	ND	F1	0.095	0.044	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1262	ND		0.095	0.055	ug/L		12/06/24 09:24	12/09/24 16:31	1
Aroclor-1268	ND		0.095	0.059	ug/L		12/06/24 09:24	12/09/24 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	80		10 - 149	12/06/24 09:24	12/09/24 16:31	1
DCB Decachlorobiphenyl	53		10 - 174	12/06/24 09:24	12/09/24 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		15	4.1	ug/L		12/06/24 14:00	12/11/24 03:42	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: MW-1-20241204

Lab Sample ID: 240-216073-3

Date Collected: 12/04/24 18:24

Matrix: Water

Date Received: 12/05/24 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	37	J	200	1.3	ug/L		12/06/24 14:00	12/11/24 03:42	1
Cadmium	ND		5.0	0.45	ug/L		12/06/24 14:00	12/11/24 03:42	1
Chromium	4.2	J	10	0.76	ug/L		12/06/24 14:00	12/11/24 03:42	1
Copper	3.7	J	25	3.5	ug/L		12/06/24 14:00	12/11/24 03:42	1
Lead	ND		10	2.8	ug/L		12/06/24 14:00	12/11/24 03:42	1
Selenium	ND		20	6.0	ug/L		12/06/24 14:00	12/11/24 03:42	1
Silver	ND		10	1.4	ug/L		12/06/24 14:00	12/11/24 03:42	1
Zinc	ND		50	23	ug/L		12/06/24 14:00	12/11/24 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26		15	4.1	ug/L		12/06/24 14:00	12/11/24 04:03	1
Barium	34	J	200	1.3	ug/L		12/06/24 14:00	12/11/24 04:03	1
Cadmium	ND		5.0	0.45	ug/L		12/06/24 14:00	12/11/24 04:03	1
Chromium	2.6	J	10	0.76	ug/L		12/06/24 14:00	12/11/24 04:03	1
Copper	ND		25	3.5	ug/L		12/06/24 14:00	12/11/24 04:03	1
Lead	ND		10	2.8	ug/L		12/06/24 14:00	12/11/24 04:03	1
Selenium	ND		20	6.0	ug/L		12/06/24 14:00	12/11/24 04:03	1
Silver	ND		10	1.4	ug/L		12/06/24 14:00	12/11/24 04:03	1
Zinc	ND		50	23	ug/L		12/06/24 14:00	12/11/24 04:03	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		12/06/24 14:00	12/09/24 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		12/06/24 14:00	12/09/24 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	ND		0.010	0.0060	mg/L		12/11/24 15:04	12/11/24 16:57	1
Cyanide, Free (OI CORP OIA-1677)	ND		0.0060	0.0050	mg/L			12/10/24 14:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.020	0.0070	mg/L			12/05/24 14:06	1

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: TB-2-20241204

Lab Sample ID: 240-216073-6

Date Collected: 12/04/24 00:00

Matrix: Water

Date Received: 12/05/24 13:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 12:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			12/09/24 12:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			12/09/24 12:22	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 12:22	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			12/09/24 12:22	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			12/09/24 12:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			12/09/24 12:22	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			12/09/24 12:22	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			12/09/24 12:22	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			12/09/24 12:22	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			12/09/24 12:22	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			12/09/24 12:22	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			12/09/24 12:22	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			12/09/24 12:22	1
2-Butanone (MEK)	ND		10	1.2	ug/L			12/09/24 12:22	1
2-Hexanone	ND		10	1.1	ug/L			12/09/24 12:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			12/09/24 12:22	1
Acetone	ND		10	5.4	ug/L			12/09/24 12:22	1
Benzene	ND		1.0	0.42	ug/L			12/09/24 12:22	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			12/09/24 12:22	1
Bromoform	ND		1.0	0.76	ug/L			12/09/24 12:22	1
Bromomethane	ND		1.0	0.42	ug/L			12/09/24 12:22	1
Carbon disulfide	ND		1.0	0.59	ug/L			12/09/24 12:22	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			12/09/24 12:22	1
Chlorobenzene	ND		1.0	0.38	ug/L			12/09/24 12:22	1
Chloroethane	ND		1.0	0.83	ug/L			12/09/24 12:22	1
Chloroform	ND		1.0	0.47	ug/L			12/09/24 12:22	1
Chloromethane	ND		1.0	0.63	ug/L			12/09/24 12:22	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			12/09/24 12:22	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			12/09/24 12:22	1
Cyclohexane	ND		1.0	0.48	ug/L			12/09/24 12:22	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			12/09/24 12:22	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			12/09/24 12:22	1
Ethylbenzene	ND		1.0	0.42	ug/L			12/09/24 12:22	1
Isopropylbenzene	ND		1.0	0.49	ug/L			12/09/24 12:22	1
Methyl acetate	ND		10	1.7	ug/L			12/09/24 12:22	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			12/09/24 12:22	1
Methylcyclohexane	ND		1.0	0.33	ug/L			12/09/24 12:22	1
Methylene Chloride	ND		5.0	2.6	ug/L			12/09/24 12:22	1
Styrene	ND		1.0	0.45	ug/L			12/09/24 12:22	1
Tetrachloroethene	ND		1.0	0.44	ug/L			12/09/24 12:22	1
Toluene	ND		1.0	0.44	ug/L			12/09/24 12:22	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			12/09/24 12:22	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			12/09/24 12:22	1
Trichloroethene	ND		1.0	0.44	ug/L			12/09/24 12:22	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			12/09/24 12:22	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/09/24 12:22	1
Xylenes, Total	ND		2.0	0.42	ug/L			12/09/24 12:22	1

Eurofins Cleveland

Client Sample Results

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

Job ID: 240-216073-1

Client Sample ID: TB-2-20241204

Lab Sample ID: 240-216073-6

Date Collected: 12/04/24 00:00

Matrix: Water

Date Received: 12/05/24 13:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<i>Toluene-d8 (Surr)</i>	89		78 - 122		12/09/24 12:22	1
<i>Dibromofluoromethane (Surr)</i>	90		73 - 120		12/09/24 12:22	1
<i>4-Bromofluorobenzene (Surr)</i>	89		56 - 136		12/09/24 12:22	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	104		62 - 137		12/09/24 12:22	1

Surrogate Summary

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

Job ID: 240-216073-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (78-122)	DBFM (73-120)	BFB (56-136)	DCA (62-137)
240-216073-1	MW-2-20241204	97	97	97	113
240-216073-3	MW-1-20241204	95	94	95	112
240-216073-3 MS	MW-1-20241204	99	95	100	99
240-216073-3 MSD	MW-1-20241204	99	100	101	104
240-216073-6	TB-2-20241204	89	90	89	104
LCS 240-638004/6	Lab Control Sample	99	96	95	98
MB 240-638004/11	Method Blank	95	91	91	103

Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (23-127)	FBP (41-120)	2FP (10-127)	NBZ (40-120)	PHL (10-120)	TPHL (43-136)
240-216073-1	MW-2-20241204	85	80	81	79	86	73
240-216073-3	MW-1-20241204	80	77	82	75	74	86
240-216073-3 MS	MW-1-20241204	98	86	125	93	89	82
240-216073-3 MSD	MW-1-20241204	98	84	139 S1+	92	96	82
LCS 240-637854/2-A	Lab Control Sample	91	76	120	86	78	80
MB 240-637854/1-A	Method Blank	91	85	84	86	63	98

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (10-149)	DCBP1 (10-174)
240-216073-1	MW-2-20241204	84	50
240-216073-3	MW-1-20241204	80	53
240-216073-3 MS	MW-1-20241204	80	81
240-216073-3 MSD	MW-1-20241204	76	51
LCS 240-637857/27-A	Lab Control Sample	87	89
MB 240-637857/26-A	Method Blank	88	105

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-638004/11

Matrix: Water

Analysis Batch: 638004

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 11:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.60	ug/L			12/09/24 11:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.41	ug/L			12/09/24 11:01	1
1,1,2-Trichloroethane	ND		1.0	0.48	ug/L			12/09/24 11:01	1
1,1-Dichloroethane	ND		1.0	0.47	ug/L			12/09/24 11:01	1
1,1-Dichloroethene	ND		1.0	0.49	ug/L			12/09/24 11:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.77	ug/L			12/09/24 11:01	1
1,2-Dibromo-3-Chloropropane	ND		2.0	0.91	ug/L			12/09/24 11:01	1
Ethylene Dibromide	ND		1.0	0.41	ug/L			12/09/24 11:01	1
1,2-Dichlorobenzene	ND		1.0	0.48	ug/L			12/09/24 11:01	1
1,2-Dichloroethane	ND		1.0	0.46	ug/L			12/09/24 11:01	1
1,2-Dichloropropane	ND		1.0	0.47	ug/L			12/09/24 11:01	1
1,3-Dichlorobenzene	ND		1.0	0.45	ug/L			12/09/24 11:01	1
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L			12/09/24 11:01	1
2-Butanone (MEK)	ND		10	1.2	ug/L			12/09/24 11:01	1
2-Hexanone	ND		10	1.1	ug/L			12/09/24 11:01	1
4-Methyl-2-pentanone (MIBK)	ND		10	0.99	ug/L			12/09/24 11:01	1
Acetone	ND		10	5.4	ug/L			12/09/24 11:01	1
Benzene	ND		1.0	0.42	ug/L			12/09/24 11:01	1
Dichlorobromomethane	ND		1.0	0.38	ug/L			12/09/24 11:01	1
Bromoform	ND		1.0	0.76	ug/L			12/09/24 11:01	1
Bromomethane	ND		1.0	0.42	ug/L			12/09/24 11:01	1
Carbon disulfide	ND		1.0	0.59	ug/L			12/09/24 11:01	1
Carbon tetrachloride	ND		1.0	0.26	ug/L			12/09/24 11:01	1
Chlorobenzene	ND		1.0	0.38	ug/L			12/09/24 11:01	1
Chloroethane	ND		1.0	0.83	ug/L			12/09/24 11:01	1
Chloroform	ND		1.0	0.47	ug/L			12/09/24 11:01	1
Chloromethane	ND		1.0	0.63	ug/L			12/09/24 11:01	1
cis-1,2-Dichloroethene	ND		1.0	0.46	ug/L			12/09/24 11:01	1
cis-1,3-Dichloropropene	ND		1.0	0.61	ug/L			12/09/24 11:01	1
Cyclohexane	ND		1.0	0.48	ug/L			12/09/24 11:01	1
Chlorodibromomethane	ND		1.0	0.39	ug/L			12/09/24 11:01	1
Dichlorodifluoromethane	ND		1.0	0.35	ug/L			12/09/24 11:01	1
Ethylbenzene	ND		1.0	0.42	ug/L			12/09/24 11:01	1
Isopropylbenzene	ND		1.0	0.49	ug/L			12/09/24 11:01	1
Methyl acetate	ND		10	1.7	ug/L			12/09/24 11:01	1
Methyl tert-butyl ether	ND		1.0	0.47	ug/L			12/09/24 11:01	1
Methylcyclohexane	ND		1.0	0.33	ug/L			12/09/24 11:01	1
Methylene Chloride	ND		5.0	2.6	ug/L			12/09/24 11:01	1
Styrene	ND		1.0	0.45	ug/L			12/09/24 11:01	1
Tetrachloroethene	ND		1.0	0.44	ug/L			12/09/24 11:01	1
Toluene	ND		1.0	0.44	ug/L			12/09/24 11:01	1
trans-1,2-Dichloroethene	ND		1.0	0.51	ug/L			12/09/24 11:01	1
trans-1,3-Dichloropropene	ND		1.0	0.67	ug/L			12/09/24 11:01	1
Trichloroethene	ND		1.0	0.44	ug/L			12/09/24 11:01	1
Trichlorofluoromethane	ND		1.0	0.45	ug/L			12/09/24 11:01	1
Vinyl chloride	ND		1.0	0.45	ug/L			12/09/24 11:01	1
Xylenes, Total	ND		2.0	0.42	ug/L			12/09/24 11:01	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-638004/11
Matrix: Water
Analysis Batch: 638004

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

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	95		78 - 122		12/09/24 11:01	1
<i>Dibromofluoromethane (Surr)</i>	91		73 - 120		12/09/24 11:01	1
<i>4-Bromofluorobenzene (Surr)</i>	91		56 - 136		12/09/24 11:01	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		62 - 137		12/09/24 11:01	1

Lab Sample ID: LCS 240-638004/6
Matrix: Water
Analysis Batch: 638004

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

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
1,1,1-Trichloroethane	50.0	47.0		ug/L		94	64 - 131
1,1,2,2-Tetrachloroethane	50.0	44.1		ug/L		88	58 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.3		ug/L		99	51 - 146
1,1,2-Trichloroethane	50.0	46.5		ug/L		93	70 - 138
1,1-Dichloroethane	50.0	47.3		ug/L		95	72 - 127
1,1-Dichloroethene	50.0	47.3		ug/L		95	63 - 134
1,2,4-Trichlorobenzene	50.0	43.3		ug/L		87	44 - 147
1,2-Dibromo-3-Chloropropane	50.0	39.2		ug/L		78	53 - 135
Ethylene Dibromide	50.0	46.9		ug/L		94	71 - 134
1,2-Dichlorobenzene	50.0	45.7		ug/L		91	78 - 120
1,2-Dichloroethane	50.0	51.1		ug/L		102	66 - 128
1,2-Dichloropropane	50.0	44.3		ug/L		89	75 - 133
1,3-Dichlorobenzene	50.0	45.7		ug/L		91	80 - 120
1,4-Dichlorobenzene	50.0	44.7		ug/L		89	80 - 120
2-Butanone (MEK)	100	102		ug/L		102	54 - 156
2-Hexanone	100	101		ug/L		101	43 - 167
4-Methyl-2-pentanone (MIBK)	100	90.3		ug/L		90	46 - 158
Acetone	100	96.9		ug/L		97	50 - 149
Benzene	50.0	47.0		ug/L		94	77 - 123
Dichlorobromomethane	50.0	41.2		ug/L		82	69 - 126
Bromoform	50.0	40.6		ug/L		81	57 - 129
Bromomethane	50.0	36.4	E	ug/L		73	36 - 142
Carbon disulfide	50.0	42.3		ug/L		85	43 - 140
Carbon tetrachloride	50.0	46.0		ug/L		92	55 - 137
Chlorobenzene	50.0	46.7		ug/L		93	80 - 121
Chloroethane	50.0	52.9		ug/L		106	38 - 152
Chloroform	50.0	44.4		ug/L		89	74 - 122
Chloromethane	50.0	33.9		ug/L		68	47 - 143
cis-1,2-Dichloroethene	50.0	46.0		ug/L		92	77 - 123
cis-1,3-Dichloropropene	50.0	41.4		ug/L		83	64 - 130
Cyclohexane	50.0	51.4		ug/L		103	58 - 146
Chlorodibromomethane	50.0	42.7		ug/L		85	70 - 124
Dichlorodifluoromethane	50.0	30.7		ug/L		61	34 - 153
Ethylbenzene	50.0	45.7		ug/L		91	80 - 121
Isopropylbenzene	50.0	53.0		ug/L		106	74 - 128
Methyl acetate	100	84.4		ug/L		84	42 - 169
Methyl tert-butyl ether	50.0	48.0		ug/L		96	65 - 126
Methylcyclohexane	50.0	45.9		ug/L		92	62 - 136

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-638004/6

Matrix: Water

Analysis Batch: 638004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	47.3		ug/L		95	71 - 125
Styrene	50.0	44.1		ug/L		88	80 - 135
Tetrachloroethene	50.0	48.0		ug/L		96	76 - 123
Toluene	50.0	46.2		ug/L		92	80 - 123
trans-1,2-Dichloroethene	50.0	46.3		ug/L		93	75 - 124
trans-1,3-Dichloropropene	50.0	47.3		ug/L		95	57 - 129
Trichloroethene	50.0	46.2		ug/L		92	70 - 122
Trichlorofluoromethane	50.0	48.7		ug/L		97	30 - 170
Vinyl chloride	50.0	46.6		ug/L		93	60 - 144
Xylenes, Total	100	91.9		ug/L		92	80 - 121
m-Xylene & p-Xylene	50.0	45.6		ug/L		91	80 - 120
o-Xylene	50.0	46.3		ug/L		93	80 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	96		73 - 120
4-Bromofluorobenzene (Surr)	95		56 - 136
1,2-Dichloroethane-d4 (Surr)	98		62 - 137

Lab Sample ID: 240-216073-3 MS

Matrix: Water

Analysis Batch: 638004

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		50.0	44.5		ug/L		89	60 - 130
1,1,2,2-Tetrachloroethane	ND		50.0	42.4		ug/L		85	54 - 145
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	50.2		ug/L		100	41 - 147
1,1,2-Trichloroethane	ND		50.0	43.8		ug/L		88	69 - 131
1,1-Dichloroethane	ND		50.0	45.6		ug/L		91	68 - 125
1,1-Dichloroethene	ND		50.0	46.5		ug/L		93	56 - 135
1,2,4-Trichlorobenzene	ND		50.0	40.6		ug/L		81	29 - 156
1,2-Dibromo-3-Chloropropane	ND		50.0	39.4		ug/L		79	41 - 129
Ethylene Dibromide	ND		50.0	44.8		ug/L		90	69 - 125
1,2-Dichlorobenzene	ND		50.0	42.3		ug/L		85	73 - 120
1,2-Dichloroethane	ND		50.0	48.7		ug/L		97	63 - 126
1,2-Dichloropropane	ND		50.0	42.5		ug/L		85	69 - 130
1,3-Dichlorobenzene	ND		50.0	42.2		ug/L		84	73 - 120
1,4-Dichlorobenzene	ND		50.0	41.3		ug/L		83	74 - 120
2-Butanone (MEK)	ND		100	107		ug/L		107	40 - 151
2-Hexanone	ND		100	96.6		ug/L		97	35 - 156
4-Methyl-2-pentanone (MIBK)	ND		100	93.5		ug/L		94	31 - 153
Acetone	ND		100	97.2		ug/L		97	33 - 149
Benzene	ND		50.0	45.3		ug/L		91	64 - 128
Dichlorobromomethane	ND	F2	50.0	38.1		ug/L		76	62 - 125
Bromoform	ND		50.0	36.2		ug/L		72	47 - 125
Bromomethane	ND		50.0	33.3	E	ug/L		67	28 - 150
Carbon disulfide	ND		50.0	39.7		ug/L		79	38 - 140
Carbon tetrachloride	ND		50.0	43.1		ug/L		86	51 - 133

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-216073-3 MS

Matrix: Water

Analysis Batch: 638004

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorobenzene	ND		50.0	43.6		ug/L		87	74 - 121
Chloroethane	ND		50.0	50.9		ug/L		102	10 - 199
Chloroform	ND		50.0	41.2		ug/L		82	70 - 122
Chloromethane	ND		50.0	32.3		ug/L		65	32 - 149
cis-1,2-Dichloroethene	ND		50.0	44.4		ug/L		89	66 - 128
cis-1,3-Dichloropropene	ND		50.0	41.3		ug/L		83	47 - 125
Cyclohexane	ND		50.0	49.7		ug/L		99	42 - 147
Chlorodibromomethane	ND	F2	50.0	37.9		ug/L		76	65 - 120
Dichlorodifluoromethane	ND		50.0	30.0		ug/L		60	38 - 139
Ethylbenzene	ND		50.0	43.9		ug/L		88	67 - 127
Isopropylbenzene	ND		50.0	50.9		ug/L		102	64 - 129
Methyl acetate	ND		100	80.5		ug/L		81	37 - 155
Methyl tert-butyl ether	ND		50.0	46.5		ug/L		93	47 - 134
Methylcyclohexane	ND		50.0	46.3		ug/L		93	39 - 144
Methylene Chloride	ND		50.0	43.4		ug/L		87	62 - 129
Styrene	ND		50.0	42.7		ug/L		85	70 - 139
Tetrachloroethene	ND		50.0	45.6		ug/L		91	62 - 131
Toluene	ND		50.0	43.4		ug/L		87	58 - 135
trans-1,2-Dichloroethene	ND		50.0	45.3		ug/L		91	56 - 136
trans-1,3-Dichloropropene	ND		50.0	43.9		ug/L		88	47 - 120
Trichloroethene	ND		50.0	44.4		ug/L		89	61 - 124
Trichlorofluoromethane	ND		50.0	47.6		ug/L		95	24 - 177
Vinyl chloride	ND		50.0	44.4		ug/L		89	43 - 157
Xylenes, Total	ND		100	88.8		ug/L		89	71 - 123
m-Xylene & p-Xylene	ND		50.0	44.1		ug/L		88	71 - 123
o-Xylene	ND		50.0	44.7		ug/L		89	70 - 125

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	95		73 - 120
4-Bromofluorobenzene (Surr)	100		56 - 136
1,2-Dichloroethane-d4 (Surr)	99		62 - 137

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638004

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		50.0	47.7		ug/L		95	60 - 130	7	17
1,1,2,2-Tetrachloroethane	ND		50.0	46.7		ug/L		93	54 - 145	10	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50.0	50.9		ug/L		102	41 - 147	1	35
1,1,2-Trichloroethane	ND		50.0	49.0		ug/L		98	69 - 131	11	14
1,1-Dichloroethane	ND		50.0	49.8		ug/L		100	68 - 125	9	13
1,1-Dichloroethene	ND		50.0	49.3		ug/L		99	56 - 135	6	26
1,2,4-Trichlorobenzene	ND		50.0	44.0		ug/L		88	29 - 156	8	19
1,2-Dibromo-3-Chloropropane	ND		50.0	40.7		ug/L		81	41 - 129	3	22
Ethylene Dibromide	ND		50.0	49.5		ug/L		99	69 - 125	10	14
1,2-Dichlorobenzene	ND		50.0	46.3		ug/L		93	73 - 120	9	14

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638004

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloroethane	ND		50.0	54.9		ug/L		110	63 - 126	12	12
1,2-Dichloropropane	ND		50.0	47.9		ug/L		96	69 - 130	12	13
1,3-Dichlorobenzene	ND		50.0	45.8		ug/L		92	73 - 120	8	14
1,4-Dichlorobenzene	ND		50.0	44.5		ug/L		89	74 - 120	7	15
2-Butanone (MEK)	ND		100	106		ug/L		106	40 - 151	1	20
2-Hexanone	ND		100	98.7		ug/L		99	35 - 156	2	17
4-Methyl-2-pentanone (MIBK)	ND		100	96.8		ug/L		97	31 - 153	3	15
Acetone	ND		100	94.2		ug/L		94	33 - 149	3	34
Benzene	ND		50.0	49.4		ug/L		99	64 - 128	9	14
Dichlorobromomethane	ND	F2	50.0	44.1	F2	ug/L		88	62 - 125	15	13
Bromoform	ND		50.0	41.7		ug/L		83	47 - 125	14	15
Bromomethane	ND		50.0	37.5	E	ug/L		75	28 - 150	12	26
Carbon disulfide	ND		50.0	43.8		ug/L		88	38 - 140	10	23
Carbon tetrachloride	ND		50.0	45.6		ug/L		91	51 - 133	6	24
Chlorobenzene	ND		50.0	47.2		ug/L		94	74 - 121	8	14
Chloroethane	ND		50.0	49.8		ug/L		100	10 - 199	2	30
Chloroform	ND		50.0	45.7		ug/L		91	70 - 122	10	14
Chloromethane	ND		50.0	32.5		ug/L		65	32 - 149	1	27
cis-1,2-Dichloroethene	ND		50.0	48.8		ug/L		98	66 - 128	10	14
cis-1,3-Dichloropropene	ND		50.0	46.3		ug/L		93	47 - 125	11	13
Cyclohexane	ND		50.0	51.2		ug/L		102	42 - 147	3	35
Chlorodibromomethane	ND	F2	50.0	43.7	F2	ug/L		87	65 - 120	14	13
Dichlorodifluoromethane	ND		50.0	27.8		ug/L		56	38 - 139	8	35
Ethylbenzene	ND		50.0	46.1		ug/L		92	67 - 127	5	15
Isopropylbenzene	ND		50.0	52.5		ug/L		105	64 - 129	3	18
Methyl acetate	ND		100	80.3		ug/L		80	37 - 155	0	18
Methyl tert-butyl ether	ND		50.0	54.1		ug/L		108	47 - 134	15	16
Methylcyclohexane	ND		50.0	47.1		ug/L		94	39 - 144	2	35
Methylene Chloride	ND		50.0	50.1		ug/L		100	62 - 129	14	17
Styrene	ND		50.0	45.4		ug/L		91	70 - 139	6	18
Tetrachloroethene	ND		50.0	46.9		ug/L		94	62 - 131	3	20
Toluene	ND		50.0	46.0		ug/L		92	58 - 135	6	14
trans-1,2-Dichloroethene	ND		50.0	48.4		ug/L		97	56 - 136	6	15
trans-1,3-Dichloropropene	ND		50.0	49.6		ug/L		99	47 - 120	12	14
Trichloroethene	ND		50.0	47.2		ug/L		94	61 - 124	6	15
Trichlorofluoromethane	ND		50.0	44.0		ug/L		88	24 - 177	8	34
Vinyl chloride	ND		50.0	43.2		ug/L		86	43 - 157	3	24
Xylenes, Total	ND		100	93.7		ug/L		94	71 - 123	5	15
m-Xylene & p-Xylene	ND		50.0	46.5		ug/L		93	71 - 123	5	16
o-Xylene	ND		50.0	47.2		ug/L		94	70 - 125	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120
4-Bromofluorobenzene (Surr)	101		56 - 136
1,2-Dichloroethane-d4 (Surr)	104		62 - 137

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-637854/1-A
Matrix: Water
Analysis Batch: 638007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637854

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1'-Biphenyl	ND		1.0	0.49	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,2'-oxybis[1-chloropropane]	ND		1.0	0.24	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,4,5-Trichlorophenol	ND		5.0	2.0	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,4,6-Trichlorophenol	ND		5.0	1.8	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,4-Dichlorophenol	ND		2.0	0.26	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,4-Dimethylphenol	ND		2.0	0.25	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,4-Dinitrophenol	ND		10	2.6	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,4-Dinitrotoluene	ND		5.0	2.1	ug/L		12/06/24 09:14	12/09/24 09:51	1
2,6-Dinitrotoluene	ND		5.0	1.1	ug/L		12/06/24 09:14	12/09/24 09:51	1
2-Chloronaphthalene	ND		1.0	0.23	ug/L		12/06/24 09:14	12/09/24 09:51	1
2-Chlorophenol	ND		1.0	0.27	ug/L		12/06/24 09:14	12/09/24 09:51	1
2-Methylnaphthalene	ND		0.20	0.11	ug/L		12/06/24 09:14	12/09/24 09:51	1
2-Methylphenol	ND		1.0	0.21	ug/L		12/06/24 09:14	12/09/24 09:51	1
2-Nitroaniline	ND		2.0	0.51	ug/L		12/06/24 09:14	12/09/24 09:51	1
2-Nitrophenol	ND		2.0	0.56	ug/L		12/06/24 09:14	12/09/24 09:51	1
3 & 4 Methylphenol	ND		2.0	0.19	ug/L		12/06/24 09:14	12/09/24 09:51	1
3,3'-Dichlorobenzidine	ND		5.0	1.2	ug/L		12/06/24 09:14	12/09/24 09:51	1
3-Nitroaniline	ND		2.0	0.57	ug/L		12/06/24 09:14	12/09/24 09:51	1
4,6-Dinitro-2-methylphenol	ND		5.0	2.8	ug/L		12/06/24 09:14	12/09/24 09:51	1
4-Bromophenyl phenyl ether	ND		2.0	0.50	ug/L		12/06/24 09:14	12/09/24 09:51	1
4-Chloro-3-methylphenol	ND		2.0	0.30	ug/L		12/06/24 09:14	12/09/24 09:51	1
4-Chloroaniline	ND		2.0	0.32	ug/L		12/06/24 09:14	12/09/24 09:51	1
4-Chlorophenyl phenyl ether	ND		2.0	0.55	ug/L		12/06/24 09:14	12/09/24 09:51	1
4-Nitroaniline	ND		2.0	0.33	ug/L		12/06/24 09:14	12/09/24 09:51	1
4-Nitrophenol	ND		10	2.2	ug/L		12/06/24 09:14	12/09/24 09:51	1
Acenaphthene	ND		0.20	0.17	ug/L		12/06/24 09:14	12/09/24 09:51	1
Acenaphthylene	ND		0.20	0.13	ug/L		12/06/24 09:14	12/09/24 09:51	1
Acetophenone	ND		1.0	0.37	ug/L		12/06/24 09:14	12/09/24 09:51	1
Anthracene	ND		0.20	0.14	ug/L		12/06/24 09:14	12/09/24 09:51	1
Atrazine	ND		2.0	0.95	ug/L		12/06/24 09:14	12/09/24 09:51	1
Benzaldehyde	ND		2.0	0.76	ug/L		12/06/24 09:14	12/09/24 09:51	1
Benzo[a]anthracene	ND		0.20	0.068	ug/L		12/06/24 09:14	12/09/24 09:51	1
Benzo[a]pyrene	ND		0.20	0.17	ug/L		12/06/24 09:14	12/09/24 09:51	1
Benzo[b]fluoranthene	ND		0.20	0.15	ug/L		12/06/24 09:14	12/09/24 09:51	1
Benzo[g,h,i]perylene	ND		0.20	0.18	ug/L		12/06/24 09:14	12/09/24 09:51	1
Benzo[k]fluoranthene	ND		0.20	0.14	ug/L		12/06/24 09:14	12/09/24 09:51	1
Bis(2-chloroethoxy)methane	ND		1.0	0.22	ug/L		12/06/24 09:14	12/09/24 09:51	1
Bis(2-chloroethyl)ether	ND		1.0	0.40	ug/L		12/06/24 09:14	12/09/24 09:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		12/06/24 09:14	12/09/24 09:51	1
Butyl benzyl phthalate	ND		2.0	0.67	ug/L		12/06/24 09:14	12/09/24 09:51	1
Caprolactam	ND		5.0	3.8	ug/L		12/06/24 09:14	12/09/24 09:51	1
Carbazole	ND		1.0	0.49	ug/L		12/06/24 09:14	12/09/24 09:51	1
Chrysene	ND		0.20	0.066	ug/L		12/06/24 09:14	12/09/24 09:51	1
Dibenz(a,h)anthracene	ND		0.20	0.15	ug/L		12/06/24 09:14	12/09/24 09:51	1
Dibenzofuran	ND		1.0	0.27	ug/L		12/06/24 09:14	12/09/24 09:51	1
Diethyl phthalate	ND		5.0	0.41	ug/L		12/06/24 09:14	12/09/24 09:51	1
Dimethyl phthalate	ND		2.0	0.52	ug/L		12/06/24 09:14	12/09/24 09:51	1
Di-n-butyl phthalate	ND		5.0	1.8	ug/L		12/06/24 09:14	12/09/24 09:51	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-637854/1-A
Matrix: Water
Analysis Batch: 638007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 637854

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		2.0	0.82	ug/L		12/06/24 09:14	12/09/24 09:51	1
Fluoranthene	ND		0.20	0.16	ug/L		12/06/24 09:14	12/09/24 09:51	1
Fluorene	ND		0.20	0.079	ug/L		12/06/24 09:14	12/09/24 09:51	1
Hexachlorobenzene	ND		0.20	0.16	ug/L		12/06/24 09:14	12/09/24 09:51	1
Hexachlorobutadiene	ND		1.0	0.54	ug/L		12/06/24 09:14	12/09/24 09:51	1
Hexachlorocyclopentadiene	ND		10	1.8	ug/L		12/06/24 09:14	12/09/24 09:51	1
Hexachloroethane	ND		1.0	0.40	ug/L		12/06/24 09:14	12/09/24 09:51	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.14	ug/L		12/06/24 09:14	12/09/24 09:51	1
Isophorone	ND		1.0	0.32	ug/L		12/06/24 09:14	12/09/24 09:51	1
Naphthalene	ND		0.20	0.11	ug/L		12/06/24 09:14	12/09/24 09:51	1
Nitrobenzene	ND		1.0	0.51	ug/L		12/06/24 09:14	12/09/24 09:51	1
N-Nitrosodi-n-propylamine	ND		1.0	0.25	ug/L		12/06/24 09:14	12/09/24 09:51	1
N-Nitrosodiphenylamine	ND		1.0	0.44	ug/L		12/06/24 09:14	12/09/24 09:51	1
Pentachlorophenol	ND		10	3.1	ug/L		12/06/24 09:14	12/09/24 09:51	1
Phenanthrene	ND		0.20	0.080	ug/L		12/06/24 09:14	12/09/24 09:51	1
Phenol	ND		1.0	0.40	ug/L		12/06/24 09:14	12/09/24 09:51	1
Pyrene	ND		0.20	0.083	ug/L		12/06/24 09:14	12/09/24 09:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		23 - 127	12/06/24 09:14	12/09/24 09:51	1
2-Fluorobiphenyl (Surr)	85		41 - 120	12/06/24 09:14	12/09/24 09:51	1
2-Fluorophenol (Surr)	84		10 - 127	12/06/24 09:14	12/09/24 09:51	1
Nitrobenzene-d5 (Surr)	86		40 - 120	12/06/24 09:14	12/09/24 09:51	1
Phenol-d5 (Surr)	63		10 - 120	12/06/24 09:14	12/09/24 09:51	1
Terphenyl-d14 (Surr)	98		43 - 136	12/06/24 09:14	12/09/24 09:51	1

Lab Sample ID: LCS 240-637854/2-A
Matrix: Water
Analysis Batch: 638007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	32.0	24.3		ug/L		76	48 - 120
2,2'-oxybis[1-chloropropane]	32.0	27.1		ug/L		85	34 - 126
2,4,5-Trichlorophenol	32.0	28.9		ug/L		90	51 - 129
2,4,6-Trichlorophenol	32.0	27.6		ug/L		86	51 - 128
2,4-Dichlorophenol	32.0	27.8		ug/L		87	57 - 122
2,4-Dimethylphenol	32.0	32.2		ug/L		101	33 - 120
2,4-Dinitrophenol	64.0	31.9		ug/L		50	27 - 126
2,4-Dinitrotoluene	32.0	29.8		ug/L		93	55 - 131
2,6-Dinitrotoluene	32.0	28.5		ug/L		89	54 - 134
2-Chloronaphthalene	32.0	25.1		ug/L		78	50 - 120
2-Chlorophenol	32.0	31.0		ug/L		97	57 - 120
2-Methylnaphthalene	32.0	23.1		ug/L		72	47 - 120
2-Methylphenol	32.0	29.1		ug/L		91	47 - 120
2-Nitroaniline	32.0	29.6		ug/L		92	51 - 138
2-Nitrophenol	32.0	27.5		ug/L		86	53 - 127
3 & 4 Methylphenol	32.0	26.7		ug/L		84	41 - 120
3,3'-Dichlorobenzidine	64.0	59.1		ug/L		92	39 - 150

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-637854/2-A
Matrix: Water
Analysis Batch: 638007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637854

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Nitroaniline	32.0	28.4		ug/L		89	13 - 156
4,6-Dinitro-2-methylphenol	64.0	57.9		ug/L		91	45 - 130
4-Bromophenyl phenyl ether	32.0	29.9		ug/L		93	51 - 129
4-Chloro-3-methylphenol	32.0	28.3		ug/L		88	57 - 126
4-Chloroaniline	32.0	6.07		ug/L		19	10 - 120
4-Chlorophenyl phenyl ether	32.0	27.3		ug/L		85	52 - 122
4-Nitroaniline	32.0	33.5		ug/L		105	44 - 156
4-Nitrophenol	64.0	42.8		ug/L		67	14 - 120
Acenaphthene	32.0	25.2		ug/L		79	50 - 120
Acenaphthylene	32.0	28.3		ug/L		88	49 - 120
Acetophenone	32.0	25.8		ug/L		81	52 - 120
Anthracene	32.0	29.7		ug/L		93	55 - 124
Atrazine	32.0	34.5		ug/L		108	50 - 152
Benzaldehyde	32.0	33.6		ug/L		105	36 - 168
Benzo[a]anthracene	32.0	28.7		ug/L		90	55 - 130
Benzo[a]pyrene	32.0	29.8		ug/L		93	51 - 123
Benzo[b]fluoranthene	32.0	28.8		ug/L		90	51 - 130
Benzo[g,h,i]perylene	32.0	31.6		ug/L		99	55 - 135
Benzo[k]fluoranthene	32.0	29.4		ug/L		92	53 - 130
Bis(2-chloroethoxy)methane	32.0	26.5		ug/L		83	50 - 121
Bis(2-chloroethyl)ether	32.0	24.0		ug/L		75	47 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.4		ug/L		98	45 - 142
Butyl benzyl phthalate	32.0	29.1		ug/L		91	48 - 140
Caprolactam	32.0	6.97		ug/L		22	10 - 120
Carbazole	32.0	29.9		ug/L		93	56 - 135
Chrysene	32.0	27.0		ug/L		84	52 - 126
Dibenz(a,h)anthracene	32.0	29.7		ug/L		93	57 - 132
Dibenzofuran	32.0	25.4		ug/L		79	52 - 120
Diethyl phthalate	32.0	28.4		ug/L		89	51 - 127
Dimethyl phthalate	32.0	28.6		ug/L		89	40 - 136
Di-n-butyl phthalate	32.0	32.0		ug/L		100	56 - 138
Di-n-octyl phthalate	32.0	31.3		ug/L		98	45 - 135
Fluoranthene	32.0	31.4		ug/L		98	56 - 135
Fluorene	32.0	25.6		ug/L		80	52 - 124
Hexachlorobenzene	32.0	29.0		ug/L		91	49 - 127
Hexachlorobutadiene	32.0	24.5		ug/L		77	36 - 120
Hexachlorocyclopentadiene	32.0	31.9		ug/L		100	10 - 120
Hexachloroethane	32.0	23.4		ug/L		73	39 - 120
Indeno[1,2,3-cd]pyrene	32.0	29.9		ug/L		93	55 - 134
Isophorone	32.0	29.1		ug/L		91	50 - 127
Naphthalene	32.0	23.1		ug/L		72	46 - 120
Nitrobenzene	32.0	27.9		ug/L		87	50 - 123
N-Nitrosodi-n-propylamine	32.0	29.0		ug/L		91	49 - 128
N-Nitrosodiphenylamine	32.0	28.2		ug/L		88	53 - 127
Pentachlorophenol	64.0	51.6		ug/L		81	24 - 124
Phenanthrene	32.0	26.9		ug/L		84	54 - 120
Phenol	32.0	25.2		ug/L		79	10 - 120
Pyrene	32.0	27.2		ug/L		85	53 - 135

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-637854/2-A
Matrix: Water
Analysis Batch: 638007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637854

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	91		23 - 127
2-Fluorobiphenyl (Surr)	76		41 - 120
2-Fluorophenol (Surr)	120		10 - 127
Nitrobenzene-d5 (Surr)	86		40 - 120
Phenol-d5 (Surr)	78		10 - 120
Terphenyl-d14 (Surr)	80		43 - 136

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 638007

Client Sample ID: MW-1-20241204
Prep Type: Total/NA
Prep Batch: 637854

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
1,1'-Biphenyl	ND		32.0	27.3		ug/L		85	39 - 120
2,2'-oxybis[1-chloropropane]	ND		32.0	34.4		ug/L		108	31 - 120
2,4,5-Trichlorophenol	ND		32.0	31.7		ug/L		99	49 - 120
2,4,6-Trichlorophenol	ND		32.0	30.7		ug/L		96	49 - 120
2,4-Dichlorophenol	ND		32.0	30.5		ug/L		95	54 - 120
2,4-Dimethylphenol	ND		32.0	33.6		ug/L		105	21 - 120
2,4-Dinitrophenol	ND		64.0	51.0		ug/L		80	10 - 140
2,4-Dinitrotoluene	ND		32.0	32.3		ug/L		101	53 - 127
2,6-Dinitrotoluene	ND		32.0	31.7		ug/L		99	54 - 121
2-Chloronaphthalene	ND		32.0	28.8		ug/L		90	34 - 120
2-Chlorophenol	ND		32.0	32.6		ug/L		102	48 - 124
2-Methylnaphthalene	ND		32.0	25.2		ug/L		79	29 - 120
2-Methylphenol	ND		32.0	33.7		ug/L		105	31 - 131
2-Nitroaniline	ND		32.0	32.6		ug/L		102	55 - 124
2-Nitrophenol	ND		32.0	29.8		ug/L		93	51 - 120
3 & 4 Methylphenol	ND		32.0	30.5		ug/L		95	23 - 127
3,3'-Dichlorobenzidine	ND		64.0	61.4		ug/L		96	10 - 153
3-Nitroaniline	ND		32.0	31.9		ug/L		100	18 - 155
4,6-Dinitro-2-methylphenol	ND		64.0	62.6		ug/L		98	29 - 131
4-Bromophenyl phenyl ether	ND		32.0	32.4		ug/L		101	45 - 120
4-Chloro-3-methylphenol	ND		32.0	29.9		ug/L		93	53 - 123
4-Chloroaniline	ND		32.0	8.11		ug/L		25	10 - 120
4-Chlorophenyl phenyl ether	ND		32.0	29.8		ug/L		93	45 - 120
4-Nitroaniline	ND		32.0	35.8		ug/L		112	30 - 166
4-Nitrophenol	ND		64.0	48.2		ug/L		75	10 - 123
Acenaphthene	ND		32.0	28.0		ug/L		88	33 - 120
Acenaphthylene	ND		32.0	31.6		ug/L		99	34 - 120
Acetophenone	ND		32.0	29.1		ug/L		91	39 - 126
Anthracene	ND		32.0	32.0		ug/L		100	50 - 120
Atrazine	ND		32.0	35.6		ug/L		111	45 - 137
Benzaldehyde	ND		32.0	33.3		ug/L		104	40 - 158
Benzo[a]anthracene	ND		32.0	31.5		ug/L		99	47 - 131
Benzo[a]pyrene	ND		32.0	32.4		ug/L		101	44 - 120
Benzo[b]fluoranthene	ND		32.0	32.4		ug/L		101	46 - 122
Benzo[g,h,i]perylene	ND		32.0	34.0		ug/L		106	43 - 132
Benzo[k]fluoranthene	ND		32.0	31.4		ug/L		98	47 - 123

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-216073-3 MS

Matrix: Water

Analysis Batch: 638007

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Prep Batch: 637854

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Bis(2-chloroethoxy)methane	ND		32.0	29.3		ug/L		92		52 - 120
Bis(2-chloroethyl)ether	ND		32.0	25.6		ug/L		80		43 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	33.6		ug/L		105		45 - 137
Butyl benzyl phthalate	ND		32.0	31.9		ug/L		100		44 - 139
Caprolactam	ND		32.0	8.87		ug/L		28		10 - 120
Carbazole	ND		32.0	32.3		ug/L		101		46 - 126
Chrysene	ND		32.0	29.4		ug/L		92		44 - 126
Dibenz(a,h)anthracene	ND		32.0	31.8		ug/L		100		45 - 130
Dibenzofuran	ND		32.0	28.4		ug/L		89		44 - 120
Diethyl phthalate	ND		32.0	29.4		ug/L		92		51 - 120
Dimethyl phthalate	ND		32.0	30.9		ug/L		97		36 - 127
Di-n-butyl phthalate	ND		32.0	34.1		ug/L		107		50 - 129
Di-n-octyl phthalate	ND		32.0	34.2		ug/L		107		45 - 128
Fluoranthene	ND		32.0	33.5		ug/L		105		51 - 126
Fluorene	ND		32.0	27.8		ug/L		87		45 - 120
Hexachlorobenzene	ND		32.0	31.4		ug/L		98		46 - 120
Hexachlorobutadiene	ND		32.0	26.7		ug/L		84		10 - 120
Hexachlorocyclopentadiene	ND		32.0	38.1		ug/L		119		10 - 120
Hexachloroethane	ND		32.0	27.8		ug/L		87		10 - 120
Indeno[1,2,3-cd]pyrene	ND		32.0	32.3		ug/L		101		43 - 133
Isophorone	ND		32.0	30.5		ug/L		95		52 - 120
Naphthalene	ND		32.0	26.3		ug/L		82		29 - 120
Nitrobenzene	ND		32.0	30.2		ug/L		94		48 - 120
N-Nitrosodi-n-propylamine	ND		32.0	31.5		ug/L		98		48 - 120
N-Nitrosodiphenylamine	ND		32.0	31.0		ug/L		97		50 - 120
Pentachlorophenol	ND		64.0	56.7		ug/L		89		10 - 124
Phenanthrene	ND		32.0	29.3		ug/L		91		48 - 120
Phenol	ND		32.0	28.1		ug/L		88		10 - 134
Pyrene	ND		32.0	30.2		ug/L		94		42 - 138

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	98		23 - 127
2-Fluorobiphenyl (Surr)	86		41 - 120
2-Fluorophenol (Surr)	125		10 - 127
Nitrobenzene-d5 (Surr)	93		40 - 120
Phenol-d5 (Surr)	89		10 - 120
Terphenyl-d14 (Surr)	82		43 - 136

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638007

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Prep Batch: 637854

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1'-Biphenyl	ND		33.3	27.9		ug/L		84		2	32
2,2'-oxybis[1-chloropropane]	ND		33.3	32.5		ug/L		98		6	34
2,4,5-Trichlorophenol	ND		33.3	32.6		ug/L		98		3	32
2,4,6-Trichlorophenol	ND		33.3	31.0		ug/L		93		1	31
2,4-Dichlorophenol	ND		33.3	31.4		ug/L		94		3	31

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638007

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Prep Batch: 637854

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2,4-Dimethylphenol	ND		33.3	35.2		ug/L		106	21 - 120	5	35
2,4-Dinitrophenol	ND		66.7	56.3		ug/L		84	10 - 140	10	35
2,4-Dinitrotoluene	ND		33.3	33.5		ug/L		101	53 - 127	4	30
2,6-Dinitrotoluene	ND		33.3	33.1		ug/L		99	54 - 121	4	32
2-Chloronaphthalene	ND		33.3	29.1		ug/L		87	34 - 120	1	34
2-Chlorophenol	ND		33.3	34.2		ug/L		103	48 - 124	5	35
2-Methylnaphthalene	ND		33.3	23.7		ug/L		71	29 - 120	6	34
2-Methylphenol	ND		33.3	33.2		ug/L		99	31 - 131	2	34
2-Nitroaniline	ND		33.3	33.8		ug/L		101	55 - 124	4	32
2-Nitrophenol	ND		33.3	31.1		ug/L		93	51 - 120	4	32
3 & 4 Methylphenol	ND		33.3	30.0		ug/L		90	23 - 127	2	34
3,3'-Dichlorobenzidine	ND		66.7	66.6		ug/L		100	10 - 153	8	35
3-Nitroaniline	ND		33.3	33.5		ug/L		101	18 - 155	5	35
4,6-Dinitro-2-methylphenol	ND		66.7	68.0		ug/L		102	29 - 131	8	35
4-Bromophenyl phenyl ether	ND		33.3	34.0		ug/L		102	45 - 120	5	33
4-Chloro-3-methylphenol	ND		33.3	29.9		ug/L		90	53 - 123	0	31
4-Chloroaniline	ND		33.3	9.15		ug/L		27	10 - 120	12	35
4-Chlorophenyl phenyl ether	ND		33.3	30.4		ug/L		91	45 - 120	2	32
4-Nitroaniline	ND		33.3	37.4		ug/L		112	30 - 166	4	35
4-Nitrophenol	ND		66.7	52.4		ug/L		79	10 - 123	8	35
Acenaphthene	ND		33.3	28.1		ug/L		84	33 - 120	0	29
Acenaphthylene	ND		33.3	32.3		ug/L		97	34 - 120	2	31
Acetophenone	ND		33.3	28.6		ug/L		86	39 - 126	2	34
Anthracene	ND		33.3	33.8		ug/L		101	50 - 120	6	28
Atrazine	ND		33.3	38.1		ug/L		114	45 - 137	7	35
Benzaldehyde	ND		33.3	37.4		ug/L		112	40 - 158	12	35
Benzo[a]anthracene	ND		33.3	33.1		ug/L		99	47 - 131	5	29
Benzo[a]pyrene	ND		33.3	34.0		ug/L		102	44 - 120	5	28
Benzo[b]fluoranthene	ND		33.3	33.2		ug/L		100	46 - 122	2	30
Benzo[g,h,i]perylene	ND		33.3	35.7		ug/L		107	43 - 132	5	29
Benzo[k]fluoranthene	ND		33.3	33.9		ug/L		102	47 - 123	7	28
Bis(2-chloroethoxy)methane	ND		33.3	30.6		ug/L		92	52 - 120	4	32
Bis(2-chloroethyl)ether	ND		33.3	28.0		ug/L		84	43 - 120	9	35
Bis(2-ethylhexyl) phthalate	ND		33.3	35.6		ug/L		107	45 - 137	6	35
Butyl benzyl phthalate	ND		33.3	33.5		ug/L		101	44 - 139	5	32
Caprolactam	ND		33.3	9.63		ug/L		29	10 - 120	8	35
Carbazole	ND		33.3	34.6		ug/L		104	46 - 126	7	35
Chrysene	ND		33.3	30.9		ug/L		93	44 - 126	5	28
Dibenz(a,h)anthracene	ND		33.3	33.3		ug/L		100	45 - 130	4	28
Dibenzofuran	ND		33.3	28.6		ug/L		86	44 - 120	1	31
Diethyl phthalate	ND		33.3	30.9		ug/L		93	51 - 120	5	30
Dimethyl phthalate	ND		33.3	32.2		ug/L		97	36 - 127	4	31
Di-n-butyl phthalate	ND		33.3	37.1		ug/L		111	50 - 129	8	33
Di-n-octyl phthalate	ND		33.3	35.8		ug/L		107	45 - 128	5	33
Fluoranthene	ND		33.3	36.2		ug/L		109	51 - 126	8	29
Fluorene	ND		33.3	28.6		ug/L		86	45 - 120	3	29
Hexachlorobenzene	ND		33.3	33.0		ug/L		99	46 - 120	5	32
Hexachlorobutadiene	ND		33.3	27.4		ug/L		82	10 - 120	2	35
Hexachlorocyclopentadiene	ND		33.3	38.9		ug/L		117	10 - 120	2	35

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638007

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Prep Batch: 637854

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachloroethane	ND		33.3	27.8		ug/L		83	10 - 120	0	35
Indeno[1,2,3-cd]pyrene	ND		33.3	33.6		ug/L		101	43 - 133	4	28
Isophorone	ND		33.3	32.8		ug/L		98	52 - 120	7	31
Naphthalene	ND		33.3	27.0		ug/L		81	29 - 120	3	35
Nitrobenzene	ND		33.3	31.4		ug/L		94	48 - 120	4	31
N-Nitrosodi-n-propylamine	ND		33.3	31.6		ug/L		95	48 - 120	0	33
N-Nitrosodiphenylamine	ND		33.3	32.4		ug/L		97	50 - 120	4	31
Pentachlorophenol	ND		66.7	60.8		ug/L		91	10 - 124	7	35
Phenanthrene	ND		33.3	30.7		ug/L		92	48 - 120	5	29
Phenol	ND		33.3	31.4		ug/L		94	10 - 134	11	35
Pyrene	ND		33.3	31.3		ug/L		94	42 - 138	3	28

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	98		23 - 127
2-Fluorobiphenyl (Surr)	84		41 - 120
2-Fluorophenol (Surr)	139	S1+	10 - 127
Nitrobenzene-d5 (Surr)	92		40 - 120
Phenol-d5 (Surr)	96		10 - 120
Terphenyl-d14 (Surr)	82		43 - 136

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

Lab Sample ID: MB 240-637857/26-A

Matrix: Water

Analysis Batch: 637991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 637857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.40	0.22	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1221	ND		0.40	0.23	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1232	ND		0.40	0.30	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1242	ND		0.40	0.30	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1248	ND		0.40	0.20	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1254	ND		0.40	0.16	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1260	ND		0.40	0.18	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1262	ND		0.40	0.23	ug/L		12/06/24 09:28	12/09/24 15:21	1
Aroclor-1268	ND		0.40	0.25	ug/L		12/06/24 09:28	12/09/24 15:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		10 - 149	12/06/24 09:28	12/09/24 15:21	1
DCB Decachlorobiphenyl	105		10 - 174	12/06/24 09:28	12/09/24 15:21	1

Lab Sample ID: LCS 240-637857/27-A

Matrix: Water

Analysis Batch: 637991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 637857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor-1016	10.0	9.98		ug/L		100	28 - 140
Aroclor-1260	10.0	10.4		ug/L		104	39 - 153

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

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

Lab Sample ID: LCS 240-637857/27-A
Matrix: Water
Analysis Batch: 637991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 637857

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	87		10 - 149
DCB Decachlorobiphenyl	89		10 - 174

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 637991

Client Sample ID: MW-1-20241204
Prep Type: Total/NA
Prep Batch: 637857

Analyte	Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Aroclor-1016	ND	F1	2.40	0.226	F1	ug/L		9	50 - 120
Aroclor-1260	ND	F1	2.40	0.184	F1	ug/L		8	39 - 135

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	80		10 - 149
DCB Decachlorobiphenyl	81		10 - 174

Lab Sample ID: 240-216073-3 MSD
Matrix: Water
Analysis Batch: 637991

Client Sample ID: MW-1-20241204
Prep Type: Total/NA
Prep Batch: 637857

Analyte	Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Aroclor-1016	ND	F1	2.38	0.290	F1	ug/L		12	50 - 120	25	25
Aroclor-1260	ND	F1	2.38	0.238	F1	ug/L		10	39 - 135	26	26

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	76		10 - 149
DCB Decachlorobiphenyl	51		10 - 174

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 240-637883/1-A
Matrix: Water
Analysis Batch: 638309

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 637883

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		15	4.1	ug/L		12/06/24 14:00	12/11/24 03:34	1
Barium	ND		200	1.3	ug/L		12/06/24 14:00	12/11/24 03:34	1
Cadmium	ND		5.0	0.45	ug/L		12/06/24 14:00	12/11/24 03:34	1
Chromium	ND		10	0.76	ug/L		12/06/24 14:00	12/11/24 03:34	1
Copper	ND		25	3.5	ug/L		12/06/24 14:00	12/11/24 03:34	1
Lead	ND		10	2.8	ug/L		12/06/24 14:00	12/11/24 03:34	1
Selenium	ND		20	6.0	ug/L		12/06/24 14:00	12/11/24 03:34	1
Silver	ND		10	1.4	ug/L		12/06/24 14:00	12/11/24 03:34	1
Zinc	ND		50	23	ug/L		12/06/24 14:00	12/11/24 03:34	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-637883/2-A
Matrix: Water
Analysis Batch: 638309

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 637883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Arsenic	2000	2130		ug/L		106	80 - 120	
Barium	2000	2060		ug/L		103	80 - 120	
Cadmium	1000	1020		ug/L		102	80 - 120	
Chromium	1000	1020		ug/L		102	80 - 120	
Copper	1000	1010		ug/L		101	80 - 120	
Lead	1000	981		ug/L		98	80 - 120	
Selenium	2000	2160		ug/L		108	80 - 120	
Silver	100	102		ug/L		102	80 - 120	
Zinc	1000	1050		ug/L		105	80 - 120	

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 638309

Client Sample ID: MW-1-20241204
Prep Type: Total Recoverable
Prep Batch: 637883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Arsenic	27		2000	2100		ug/L		104	75 - 125	
Barium	37	J	2000	2040		ug/L		100	75 - 125	
Cadmium	ND		1000	988		ug/L		99	75 - 125	
Chromium	4.2	J	1000	980		ug/L		98	75 - 125	
Copper	3.7	J	1000	970		ug/L		97	75 - 125	
Lead	ND		1000	933		ug/L		93	75 - 125	
Selenium	ND		2000	2090		ug/L		104	75 - 125	
Silver	ND		100	97.1		ug/L		97	75 - 125	
Zinc	ND		1000	1020		ug/L		102	75 - 125	

Lab Sample ID: 240-216073-3 MSD
Matrix: Water
Analysis Batch: 638309

Client Sample ID: MW-1-20241204
Prep Type: Total Recoverable
Prep Batch: 637883

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	
									Limits		RPD	Limit
Arsenic	27		2000	2120		ug/L		105	75 - 125	1	20	
Barium	37	J	2000	2050		ug/L		100	75 - 125	0	20	
Cadmium	ND		1000	997		ug/L		100	75 - 125	1	20	
Chromium	4.2	J	1000	983		ug/L		98	75 - 125	0	20	
Copper	3.7	J	1000	972		ug/L		97	75 - 125	0	20	
Lead	ND		1000	942		ug/L		94	75 - 125	1	20	
Selenium	ND		2000	2100		ug/L		105	75 - 125	1	20	
Silver	ND		100	97.8		ug/L		98	75 - 125	1	20	
Zinc	ND		1000	1030		ug/L		103	75 - 125	0	20	

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 638309

Client Sample ID: MW-1-20241204
Prep Type: Dissolved
Prep Batch: 637883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Arsenic	26		2000	2160		ug/L		107	75 - 125	
Barium	34	J	2000	2060		ug/L		101	75 - 125	
Cadmium	ND		1000	1000		ug/L		100	75 - 125	
Chromium	2.6	J	1000	986		ug/L		98	75 - 125	

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 240-216073-3 MS

Matrix: Water

Analysis Batch: 638309

Client Sample ID: MW-1-20241204

Prep Type: Dissolved

Prep Batch: 637883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Copper	ND		1000	1000		ug/L		100	75 - 125
Lead	ND		1000	965		ug/L		97	75 - 125
Selenium	ND		2000	2120		ug/L		106	75 - 125
Silver	ND		100	103		ug/L		103	75 - 125
Zinc	ND		1000	1060		ug/L		106	75 - 125

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638309

Client Sample ID: MW-1-20241204

Prep Type: Dissolved

Prep Batch: 637883

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	26		2000	2140		ug/L		105	75 - 125	1	20
Barium	34	J	2000	2060		ug/L		102	75 - 125	0	20
Cadmium	ND		1000	995		ug/L		99	75 - 125	1	20
Chromium	2.6	J	1000	984		ug/L		98	75 - 125	0	20
Copper	ND		1000	987		ug/L		99	75 - 125	1	20
Lead	ND		1000	948		ug/L		95	75 - 125	2	20
Selenium	ND		2000	2090		ug/L		105	75 - 125	1	20
Silver	ND		100	101		ug/L		101	75 - 125	2	20
Zinc	ND		1000	1050		ug/L		105	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 240-637886/1-A

Matrix: Water

Analysis Batch: 638135

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 637886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.20	0.13	ug/L		12/06/24 14:00	12/09/24 12:37	1

Lab Sample ID: LCS 240-637886/2-A

Matrix: Water

Analysis Batch: 638135

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 637886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	5.00	4.92		ug/L		98	80 - 120

Lab Sample ID: 240-216073-3 MS

Matrix: Water

Analysis Batch: 638135

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Prep Batch: 637886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		1.00	0.965		ug/L		97	80 - 120

Lab Sample ID: 240-216073-3 MSD

Matrix: Water

Analysis Batch: 638135

Client Sample ID: MW-1-20241204

Prep Type: Total/NA

Prep Batch: 637886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		1.00	0.998		ug/L		100	80 - 120	3	20

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 638135

Client Sample ID: MW-1-20241204
Prep Type: Dissolved
Prep Batch: 637886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		1.00	1.06		ug/L		106	80 - 120

Lab Sample ID: 240-216073-3 MSD
Matrix: Water
Analysis Batch: 638135

Client Sample ID: MW-1-20241204
Prep Type: Dissolved
Prep Batch: 637886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	ND		1.00	1.06		ug/L		106	80 - 120	1	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 240-637700/3
Matrix: Water
Analysis Batch: 637700

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			12/05/24 08:23	1

Lab Sample ID: LCS 240-637700/4
Matrix: Water
Analysis Batch: 637700

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	0.246		mg/L		98	85 - 115

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 637700

Client Sample ID: MW-1-20241204
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND		0.250	0.247		mg/L		99	85 - 115

Lab Sample ID: 240-216073-3 MSD
Matrix: Water
Analysis Batch: 637700

Client Sample ID: MW-1-20241204
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chromium, hexavalent	ND		0.250	0.242		mg/L		97	85 - 115	2	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 240-638437/1-A
Matrix: Water
Analysis Batch: 638466

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 638437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0060	mg/L		12/11/24 15:04	12/11/24 15:39	1

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 240-638437/2-A
Matrix: Water
Analysis Batch: 638466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 638437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.327	0.328		mg/L		100	85 - 115

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 638466

Client Sample ID: MW-1-20241204
Prep Type: Total/NA
Prep Batch: 638437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	ND		0.0400	0.0420		mg/L		105	22 - 135

Lab Sample ID: 240-216073-3 MSD
Matrix: Water
Analysis Batch: 638466

Client Sample ID: MW-1-20241204
Prep Type: Total/NA
Prep Batch: 638437

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Cyanide, Total	ND		0.0400	0.0395		mg/L		99	22 - 135	6	40

Lab Sample ID: MRL 240-638466/12
Matrix: Water
Analysis Batch: 638466

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.0100	0.0101		mg/L		101	70 - 130

Method: OIA-1677 - Cyanide, Free (Flow Injection)

Lab Sample ID: MB 410-584411/33
Matrix: Water
Analysis Batch: 584411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/10/24 11:51	1

Lab Sample ID: MB 410-584411/49
Matrix: Water
Analysis Batch: 584411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Free	ND		0.0060	0.0050	mg/L			12/10/24 12:31	1

Lab Sample ID: LCS 410-584411/48
Matrix: Water
Analysis Batch: 584411

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	0.0500	0.0525		mg/L		105	82 - 132

Eurofins Cleveland

QC Sample Results

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

Job ID: 240-216073-1

Method: OIA-1677 - Cyanide, Free (Flow Injection) (Continued)

Lab Sample ID: 240-216073-3 MS
Matrix: Water
Analysis Batch: 584411

Client Sample ID: MW-1-20241204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Free	ND		0.0500	0.0514		mg/L		103	82 - 130

Lab Sample ID: 240-216073-3 MSD
Matrix: Water
Analysis Batch: 584411

Client Sample ID: MW-1-20241204
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Free	ND		0.0500	0.0526		mg/L		105	82 - 130	2	11



QC Association Summary

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

Job ID: 240-216073-1

GC/MS VOA

Analysis Batch: 638004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	8260D	
240-216073-3	MW-1-20241204	Total/NA	Water	8260D	
240-216073-6	TB-2-20241204	Total/NA	Water	8260D	
MB 240-638004/11	Method Blank	Total/NA	Water	8260D	
LCS 240-638004/6	Lab Control Sample	Total/NA	Water	8260D	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	8260D	
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 637854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	3510C LVI	
240-216073-3	MW-1-20241204	Total/NA	Water	3510C LVI	
MB 240-637854/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-637854/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	3510C LVI	
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	3510C LVI	

Analysis Batch: 638007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	8270E	637854
240-216073-3	MW-1-20241204	Total/NA	Water	8270E	637854
MB 240-637854/1-A	Method Blank	Total/NA	Water	8270E	637854
LCS 240-637854/2-A	Lab Control Sample	Total/NA	Water	8270E	637854
240-216073-3 MS	MW-1-20241204	Total/NA	Water	8270E	637854
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	8270E	637854

GC Semi VOA

Prep Batch: 637857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	3510C	
240-216073-3	MW-1-20241204	Total/NA	Water	3510C	
MB 240-637857/26-A	Method Blank	Total/NA	Water	3510C	
LCS 240-637857/27-A	Lab Control Sample	Total/NA	Water	3510C	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	3510C	
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	3510C	

Analysis Batch: 637991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	8082A	637857
240-216073-3	MW-1-20241204	Total/NA	Water	8082A	637857
MB 240-637857/26-A	Method Blank	Total/NA	Water	8082A	637857
LCS 240-637857/27-A	Lab Control Sample	Total/NA	Water	8082A	637857
240-216073-3 MS	MW-1-20241204	Total/NA	Water	8082A	637857
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	8082A	637857

Eurofins Cleveland

QC Association Summary

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

Job ID: 240-216073-1

Metals

Prep Batch: 637883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Dissolved	Water	3005A	
240-216073-1	MW-2-20241204	Total Recoverable	Water	3005A	
240-216073-3	MW-1-20241204	Dissolved	Water	3005A	
240-216073-3	MW-1-20241204	Total Recoverable	Water	3005A	
MB 240-637883/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 240-637883/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
240-216073-3 MS	MW-1-20241204	Dissolved	Water	3005A	
240-216073-3 MS	MW-1-20241204	Total Recoverable	Water	3005A	
240-216073-3 MSD	MW-1-20241204	Dissolved	Water	3005A	
240-216073-3 MSD	MW-1-20241204	Total Recoverable	Water	3005A	

Prep Batch: 637886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Dissolved	Water	7470A	
240-216073-1	MW-2-20241204	Total/NA	Water	7470A	
240-216073-3	MW-1-20241204	Dissolved	Water	7470A	
240-216073-3	MW-1-20241204	Total/NA	Water	7470A	
MB 240-637886/1-A	Method Blank	Total/NA	Water	7470A	
LCS 240-637886/2-A	Lab Control Sample	Total/NA	Water	7470A	
240-216073-3 MS	MW-1-20241204	Dissolved	Water	7470A	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	7470A	
240-216073-3 MSD	MW-1-20241204	Dissolved	Water	7470A	
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	7470A	

Analysis Batch: 638135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Dissolved	Water	7470A	637886
240-216073-1	MW-2-20241204	Total/NA	Water	7470A	637886
240-216073-3	MW-1-20241204	Dissolved	Water	7470A	637886
240-216073-3	MW-1-20241204	Total/NA	Water	7470A	637886
MB 240-637886/1-A	Method Blank	Total/NA	Water	7470A	637886
LCS 240-637886/2-A	Lab Control Sample	Total/NA	Water	7470A	637886
240-216073-3 MS	MW-1-20241204	Dissolved	Water	7470A	637886
240-216073-3 MS	MW-1-20241204	Total/NA	Water	7470A	637886
240-216073-3 MSD	MW-1-20241204	Dissolved	Water	7470A	637886
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	7470A	637886

Analysis Batch: 638309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Dissolved	Water	6010D	637883
240-216073-1	MW-2-20241204	Total Recoverable	Water	6010D	637883
240-216073-3	MW-1-20241204	Dissolved	Water	6010D	637883
240-216073-3	MW-1-20241204	Total Recoverable	Water	6010D	637883
MB 240-637883/1-A	Method Blank	Total Recoverable	Water	6010D	637883
LCS 240-637883/2-A	Lab Control Sample	Total Recoverable	Water	6010D	637883
240-216073-3 MS	MW-1-20241204	Dissolved	Water	6010D	637883
240-216073-3 MS	MW-1-20241204	Total Recoverable	Water	6010D	637883
240-216073-3 MSD	MW-1-20241204	Dissolved	Water	6010D	637883
240-216073-3 MSD	MW-1-20241204	Total Recoverable	Water	6010D	637883

QC Association Summary

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

Job ID: 240-216073-1

General Chemistry

Analysis Batch: 584411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	OIA-1677	
240-216073-3	MW-1-20241204	Total/NA	Water	OIA-1677	
MB 410-584411/33	Method Blank	Total/NA	Water	OIA-1677	
MB 410-584411/49	Method Blank	Total/NA	Water	OIA-1677	
LCS 410-584411/48	Lab Control Sample	Total/NA	Water	OIA-1677	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	OIA-1677	
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	OIA-1677	

Analysis Batch: 637700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Dissolved	Water	7196A	
240-216073-3	MW-1-20241204	Dissolved	Water	7196A	
MB 240-637700/3	Method Blank	Total/NA	Water	7196A	
LCS 240-637700/4	Lab Control Sample	Total/NA	Water	7196A	
240-216073-3 MS	MW-1-20241204	Dissolved	Water	7196A	
240-216073-3 MSD	MW-1-20241204	Dissolved	Water	7196A	

Prep Batch: 638437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	9012B	
240-216073-3	MW-1-20241204	Total/NA	Water	9012B	
MB 240-638437/1-A	Method Blank	Total/NA	Water	9012B	
LCS 240-638437/2-A	Lab Control Sample	Total/NA	Water	9012B	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	9012B	
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	9012B	

Analysis Batch: 638466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216073-1	MW-2-20241204	Total/NA	Water	9012B	638437
240-216073-3	MW-1-20241204	Total/NA	Water	9012B	638437
MB 240-638437/1-A	Method Blank	Total/NA	Water	9012B	638437
LCS 240-638437/2-A	Lab Control Sample	Total/NA	Water	9012B	638437
MRL 240-638466/12	Lab Control Sample	Total/NA	Water	9012B	
240-216073-3 MS	MW-1-20241204	Total/NA	Water	9012B	638437
240-216073-3 MSD	MW-1-20241204	Total/NA	Water	9012B	638437

Lab Chronicle

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

Job ID: 240-216073-1

Client Sample ID: MW-2-20241204

Lab Sample ID: 240-216073-1

Date Collected: 12/04/24 15:10

Matrix: Water

Date Received: 12/05/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638004	MDH	EET CLE	12/09/24 15:03
Total/NA	Prep	3510C LVI			637854	CR2J	EET CLE	12/06/24 09:14
Total/NA	Analysis	8270E		1	638007	JMG	EET CLE	12/09/24 11:22
Total/NA	Prep	3510C			637857	GBS	EET CLE	12/06/24 09:24
Total/NA	Analysis	8082A		1	637991	LSH	EET CLE	12/09/24 16:19
Dissolved	Prep	3005A			637883	MN7X	EET CLE	12/06/24 14:00
Dissolved	Analysis	6010D		1	638309	RKT	EET CLE	12/11/24 04:49
Total Recoverable	Prep	3005A			637883	MN7X	EET CLE	12/06/24 14:00
Total Recoverable	Analysis	6010D		1	638309	RKT	EET CLE	12/11/24 04:45
Dissolved	Prep	7470A			637886	MN7X	EET CLE	12/06/24 14:00
Dissolved	Analysis	7470A		1	638135	S4FJ	EET CLE	12/09/24 13:04
Total/NA	Prep	7470A			637886	MN7X	EET CLE	12/06/24 14:00
Total/NA	Analysis	7470A		1	638135	S4FJ	EET CLE	12/09/24 13:02
Dissolved	Analysis	7196A		1	637700	JMR	EET CLE	12/05/24 14:07
Total/NA	Prep	9012B			638437	VH6H	EET CLE	12/11/24 15:04
Total/NA	Analysis	9012B		1	638466	VH6H	EET CLE	12/11/24 16:44
Total/NA	Analysis	OIA-1677		1	584411	UJE2	ELLE	12/10/24 12:46

Client Sample ID: MW-1-20241204

Lab Sample ID: 240-216073-3

Date Collected: 12/04/24 18:24

Matrix: Water

Date Received: 12/05/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638004	MDH	EET CLE	12/09/24 15:23
Total/NA	Prep	3510C LVI			637854	CR2J	EET CLE	12/06/24 09:14
Total/NA	Analysis	8270E		1	638007	JMG	EET CLE	12/09/24 11:44
Total/NA	Prep	3510C			637857	GBS	EET CLE	12/06/24 09:24
Total/NA	Analysis	8082A		1	637991	LSH	EET CLE	12/09/24 16:31
Dissolved	Prep	3005A			637883	MN7X	EET CLE	12/06/24 14:00
Dissolved	Analysis	6010D		1	638309	RKT	EET CLE	12/11/24 04:03
Total Recoverable	Prep	3005A			637883	MN7X	EET CLE	12/06/24 14:00
Total Recoverable	Analysis	6010D		1	638309	RKT	EET CLE	12/11/24 03:42
Dissolved	Prep	7470A			637886	MN7X	EET CLE	12/06/24 14:00
Dissolved	Analysis	7470A		1	638135	S4FJ	EET CLE	12/09/24 12:45
Total/NA	Prep	7470A			637886	MN7X	EET CLE	12/06/24 14:00
Total/NA	Analysis	7470A		1	638135	S4FJ	EET CLE	12/09/24 12:40
Dissolved	Analysis	7196A		1	637700	JMR	EET CLE	12/05/24 14:06
Total/NA	Prep	9012B			638437	VH6H	EET CLE	12/11/24 15:04
Total/NA	Analysis	9012B		1	638466	VH6H	EET CLE	12/11/24 16:57
Total/NA	Analysis	OIA-1677		1	584411	UJE2	ELLE	12/10/24 14:15

Lab Chronicle

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

Job ID: 240-216073-1

Client Sample ID: TB-2-20241204

Lab Sample ID: 240-216073-6

Date Collected: 12/04/24 00:00

Matrix: Water

Date Received: 12/05/24 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	638004	MDH	EET CLE	12/09/24 12:22

Laboratory References:

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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

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

Job ID: 240-216073-1

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
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
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 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	12-17-24
Wisconsin	State	399167560	08-31-25

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	01-31-25
Alaska	State	PA00009	06-30-25
Alaska (UST)	State	17-027	02-28-25
Arizona	State	AZ0780	03-12-25
Arkansas DEQ	State	88-00660	08-09-25
California	State	2792	01-31-25
Colorado	State	PA00009	06-30-25
Connecticut	State	PH-0746	06-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-25
Delaware (DW)	State	N/A	01-31-25
Florida	NELAP	E87997	06-30-25
Georgia (DW)	State	C048	01-31-25
Hawaii	State	N/A	01-31-25
Illinois	NELAP	200027	12-15-24
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-24
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-24
Louisiana (All)	NELAP	02055	06-30-25
Maine	State	2019012	03-12-25
Maryland	State	100	06-30-25
Massachusetts	State	M-PA009	06-30-25

Eurofins Cleveland

Accreditation/Certification Summary

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

Job ID: 240-216073-1

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
Michigan	State	9930	01-31-25
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-25
Missouri	State	450	01-31-25
Montana (DW)	State	0098	12-31-24
Nebraska	State	NE-OS-32-17	01-31-25
New Hampshire	NELAP	2730	01-10-25
New Jersey	NELAP	PA011	06-30-25
New York	NELAP	10670	04-01-25
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 *
Oklahoma	NELAP	9804	08-31-24 *
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	12-30-24
South Carolina	State	89002	01-31-25
Tennessee	State	02838	01-31-25
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
Washington	State	C457	04-11-25
West Virginia (DW)	State	9906 C	01-31-25
West Virginia DEP	State	055	07-31-25
Wyoming	State	8TMS-L	01-31-25
Wyoming (UST)	A2LA	0001.01	11-30-26

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

Eurofins Cleveland

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

Chain of Custody Record

Jc
~~2-2/2.8~~



Client Information		Sampler: <i>Ms. Smith</i>		Lab PM: Kalis, Nicole A		Carrier Tracking No(s):		COC No: 240-124901-43556.12																									
Client Contact: Kain Lager-Lowe		Phone:		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1																									
Company: August Mack Environmental, Inc.		PWSID:		Analysis Requested						Job #:																							
Address: 7830 North Central Drive, Suite B		Due Date Requested:		<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>Perform MRM/MSD (Yes or No)</td> <td>8260D - Full List VOCs</td> <td>8270E - SVOCs (Scan)</td> <td>8082A - PCBs</td> <td>8010D/7470A - Total RCRA 8, Cu & Zn</td> <td>O/A-1677 - Cyanide, Free</td> <td>9012B - Total Cyanide</td> <td>6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)</td> <td>7190A - Diss. Hexavalent Chromium - Field Filter</td> <td>Total Number of containers</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Field Filtered Sample (Yes or No)	Perform MRM/MSD (Yes or No)	8260D - Full List VOCs	8270E - SVOCs (Scan)	8082A - PCBs	8010D/7470A - Total RCRA 8, Cu & Zn	O/A-1677 - Cyanide, Free	9012B - Total Cyanide	6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)	7190A - Diss. Hexavalent Chromium - Field Filter	Total Number of containers												Preservation Codes: N - None A - HCL B - NaOH D - HNO3	
Field Filtered Sample (Yes or No)	Perform MRM/MSD (Yes or No)	8260D - Full List VOCs	8270E - SVOCs (Scan)							8082A - PCBs	8010D/7470A - Total RCRA 8, Cu & Zn	O/A-1677 - Cyanide, Free	9012B - Total Cyanide	6010D/7470A - Dissolved RCRA 8, Cu & Zn (Field Filter)	7190A - Diss. Hexavalent Chromium - Field Filter	Total Number of containers																	
City: Lewis Center		TAT Requested (days): <i>Standard</i>								Other:																							
State, Zip: OH, 43035		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No																															
Phone: 740-548-1515(Tel)		PO #:		Special Instructions/Note:																													
Email: klagerlowe@augustmack.com		WO #:																															
Project Name: MSC Canfield - Groundwater		Project #: DO NOT DELETE - 24033889																															
Site:		SSOW#:																															
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=BIOM, A=Air)		Preservation Code:																							
<i>MW-7-20241204</i>		<i>12/4/24</i>		<i>15:10</i>		<i>Water</i>		<i>Water</i>		<i>N</i>																							
<i>MW-7-20241204-DISS</i>		<i>12/4/24</i>		<i>15:10</i>		<i>Water</i>		<i>Water</i>		<i>Y</i>																							
<i>MW-1-20241204</i>		<i>12/4/24</i>		<i>18:24</i>		<i>Water</i>		<i>Water</i>		<i>N</i>																							
<i>MW-1-20241204-DISS</i>		<i>12/4/24</i>		<i>18:24</i>		<i>Water</i>		<i>Water</i>		<i>Y</i>																							
<i>TB-1-20241204</i>		<i>12/4/24</i>		<i>-</i>		<i>Water</i>		<i>Water</i>		<i>N</i>																							
<i>TB-2-20241204</i>		<i>12/4/24</i>		<i>-</i>		<i>Water</i>		<i>Water</i>		<i>N</i>																							
						<i>Water</i>		<i>Water</i>																									
						<i>Water</i>		<i>Water</i>																									
						<i>Water</i>		<i>Water</i>																									
						<i>Water</i>		<i>Water</i>																									
						<i>Water</i>		<i>Water</i>																									
						<i>Water</i>		<i>Water</i>																									
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input checked="" type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																													
Deliverable Requested: I, II, III, IV, Other (specify)				<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																													
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:																											
Relinquished by: <i>M. Smith</i>		Date/Time: <i>12/5/24 0915</i>		Company: <i>AME</i>		Received by: <i>[Signature]</i>		Date/Time: <i>12/5/24 0915</i>		Company: <i>EUR</i>																							
Relinquished by: <i>[Signature]</i>		Date/Time: <i>12/5/24 1300</i>		Company: <i>EUR</i>		Received by: <i>[Signature]</i>		Date/Time: <i>12/5/24 1300</i>		Company: <i>EUR</i>																							
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:																							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																													



Eurofins - Cleveland Sample Receipt Form/Narrative Login # : _____
 Barberon Facility

Client Allyssa Mack Environmental Site Name PMU Cooler unpacked by JC

Cooler Received on 12-5-24 UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
 FedEx 1st Grd Exp _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____
 Eurofins Cooler # 900 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 # 17 (0.1 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes NO No NA
 -Were the seals on the outside of the cooler(s) signed & dated? Yes NO No NA
 -Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes NO No NA
 -Were tamper/custody seals intact and uncompromised? Yes NO No NA

Tests that are not checked for pH by Receiving:
 VOAs
 Oil and Grease
 TOC

3 Shippers' packing slip attached to the cooler(s)? Yes NO No NA
 4 Did custody papers accompany the sample(s)? Yes NO No NA
 5 Were the custody papers relinquished & signed in the appropriate place? Yes NO No NA
 6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes NO No NA
 7 Did all bottles arrive in good condition (Unbroken)? Yes NO No NA
 8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes NO No NA
 9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes NO No NA
 10 Were correct bottle(s) used for the test(s) indicated? Yes NO No NA
 11 Sufficient quantity received to perform indicated analyses? Yes NO No NA
 12 Are these work share samples and all listed on the COC? Yes NO No NA
 13 Were all preserved sample(s) at the correct pH upon receipt? Yes NO No NA pH Stmp Lot# HC448976
 14 Were VOAs on the COC? Yes NO No NA
 15 Were air bubbles >6 mm in any VOA vials? Larger than this Yes NO No NA
 16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # NO Yes NO No NA
 17 Was a LL Hg or Me Hg trip blank present? Yes NO No NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
 Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by: _____
Received extra Volume logged as ms/msd

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 _____

Temperature readings

Client Sample ID	Lab ID	Container Type	Container	Preservation	Preservation	pH	Temp	Added	Lot Number
MW-2-20241204	240-216073-A-1	Voa Vial 40ml - Hydrochloric Acid							
MW-2-20241204	240-216073-B-1	Voa Vial 40ml - Hydrochloric Acid							
MW-2-20241204	240-216073-C-1	Voa Vial 40ml - Hydrochloric Acid							
MW-2-20241204	240-216073-D-1	Amber Plastic 125 mL - NaOH				>12			
MW-2-20241204	240-216073-E-1	Plastic 250ml - with Sodium Hydroxide				>12			
MW-2-20241204	240-216073-F-1	Plastic 500ml - with Nitric Acid				<2			
MW-2-20241204	240-216073-G-1	Amber Glass 250ml - unpreserved							
MW-2-20241204	240-216073-H-1	Amber Glass 250ml - unpreserved							
MW-2-20241204	240-216073-I-1	Amber Glass 1 liter - unpreserved							
MW-2-20241204	240-216073-J-1	Amber Glass 1 liter - unpreserved							
MW-2-20241204	240-216073-K-1	Plastic 500 mL - unpreserved - dis							
MW-2-20241204	240-216073-L-1	Plastic 500ml - w/ Nitric - Dis.				<2			
MW-1-20241204	240-216073-A-3	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-A-3 MS	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-A-3 MSD	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-B-3	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-B-3 MS	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-B-3 MSD	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-C-3	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-C-3 MS	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-C-3 MSD	Voa Vial 40ml - Hydrochloric Acid							
MW-1-20241204	240-216073-D-3	Amber Plastic 125 mL - NaOH				>12			
MW-1-20241204	240-216073-D-3 MS	Amber Plastic 125 mL - NaOH				>12			
MW-1-20241204	240-216073-D-3 MSD	Amber Plastic 125 mL - NaOH				>12			
MW-1-20241204	240-216073-E-3	Plastic 250ml - with Sodium Hydroxide				>12			
MW-1-20241204	240-216073-E-3 MS	Plastic 250ml - with Sodium Hydroxide				>12			
MW-1-20241204	240-216073-E-3 MSD	Plastic 250ml - with Sodium Hydroxide				>12			
MW-1-20241204	240-216073-F-3	Plastic 500ml - with Nitric Acid				<2			
MW-1-20241204	240-216073-F-3 MS	Plastic 500ml - with Nitric Acid				<2			
MW-1-20241204	240-216073-F-3 MSD	Plastic 500ml - with Nitric Acid				<2			
MW-1-20241204	240-216073-G-3	Amber Glass 250ml - unpreserved							
MW-1-20241204	240-216073-G-3 MS	Amber Glass 250ml - unpreserved							



<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>	<u>Preservation</u>	<u>Preservation</u>	<u>Lot Number</u>
				<u>pH</u>	<u>Temp</u>	<u>Added</u>
MW-1-20241204	240-216073-G-3 MSD	Amber Glass 250ml - unpreserved				
MW-1-20241204	240-216073-H-3	Amber Glass 250ml - unpreserved				
MW-1-20241204	240-216073-H-3 MSD	Amber Glass 250ml - unpreserved				
MW-1-20241204	240-216073-I-3	Amber Glass 1 liter - unpreserved				
MW-1-20241204	240-216073-I-3 MS	Amber Glass 1 liter - unpreserved				
MW-1-20241204	240-216073-I-3 MSD	Amber Glass 1 liter - unpreserved				
MW-1-20241204	240-216073-I-3	Amber Glass 1 liter - unpreserved				
MW-1-20241204	240-216073-I-3 MS	Amber Glass 1 liter - unpreserved				
MW-1-20241204	240-216073-I-3 MSD	Amber Glass 1 liter - unpreserved				
MW-1-20241204	240-216073-K-3	Plastic 500 mL - unpreserved - dis				
MW-1-20241204	240-216073-K-3 MS	Plastic 500 mL - unpreserved - dis				
MW-1-20241204	240-216073-L-3	Plastic 500ml - w/ Nitric - Dis		<2		
MW-1-20241204	240-216073-L-3 MS	Plastic 500ml - w/ Nitric - Dis.		<2		
MW-1-20241204	240-216073-L-3	Plastic 500ml - w/ Nitric - Dis		<2		
TB-1-20241204	240-216073-A-5	Voa Vial 40ml - Hydrochloric Acid				
TB-1-20241204	240-216073-B-5	Voa Vial 40ml - Hydrochloric Acid				
TB-1-20241204	240-216073-C-5	Voa Vial 40ml - Hydrochloric Acid				
TB-2-20241204	240-216073-A-6	Voa Vial 40ml - Hydrochloric Acid				
TB-2-20241204	240-216073-B-6	Voa Vial 40ml - Hydrochloric Acid				
TB-2-20241204	240-216073-C-6	Voa Vial 40ml - Hydrochloric Acid				

Eurofins Cleveland

180 S. Van Buren Avenue
 Barberton, OH 44203
 Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



eurofins | Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab Pk: Kalis, Nicole A		Carrier Tracking No(s): N/A		COC No: 240-194881.1			
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Nicole.Kalis@et.eurofinsus.com		State of Origin: Ohio		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): N/A				Job #: 240-216073-1			
Address: 2425 New Holland Pike, Lancaster, PA, 17601		Due Date Requested: 12/18/2024		Analysis Requested						Preservation Codes:	
City: Lancaster		TAT Requested (days): N/A									
State, Zip: PA, 17601		PO #: N/A									
Phone: 717-656-2300(Tel)		WO #: N/A									
Email: N/A		Project #: 24033889									
Project Name: MSC Canfield		Site: N/A		SSOW#: N/A		Other: N/A					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Sediment, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1677 Free Cyanide, Free	Total Number of Containers	Special Instructions/Note:	
MW-2-20241204 (240-216073-1)		12/4/24	15:10 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste	
MW-1-20241204 (240-216073-3)		12/4/24	18:24 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste	
MW-1-20241204 (240-216073-3MS)		12/4/24	18:24 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste	
MW-1-20241204 (240-216073-3MSD)		12/4/24	18:24 Eastern	G	Water		X		1	Use caution! Site contaminated with solvent waste	
<p>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 listed above for analysis/test/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.</p>											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2			Special Instructions/QC Requirements.					
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: MALISSA LOAR			Date/Time: 12-6-24		Company:		Received by:		Date/Time:		
Relinquished by:			Date/Time:		Company:		Received by:		Date/Time:		
Relinquished by:			Date/Time:		Company:		Received by: [Signature]		Date/Time: 12/7/24 9:40		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: R1.2.6 C:27						



Login Sample Receipt Checklist

Client: August Mack Environmental, Inc.

Job Number: 240-216073-1

Login Number: 216073

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

List Creation: 12/07/24 05:07 PM

Creator: Santiago, Nathaniel

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable, where thermal pres is required (<=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required (<=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	



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

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

Generated 1/6/2025 8:05:15 PM

JOB DESCRIPTION

MSC Canfield VI

JOB NUMBER

240-217257-1

Eurofins Cleveland

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
1/6/2025 8:05:15 PM

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



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Method Summary	6
Sample Summary	7
Detection Summary	8
Subcontract Data	9

Definitions/Glossary

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

Job ID: 240-217257-1

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

Case Narrative

Client: August Mack Environmental, Inc.
Project: MSC Canfield VI

Job ID: 240-217257-1

Job ID: 240-217257-1

Eurofins Cleveland

Job Narrative 240-217257-1

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 12/18/2024 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work

Method TO-15: This method was subcontracted to Eurofins Air Toxics, Inc. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

Eurofins Cleveland

Method Summary

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

Job ID: 240-217257-1

Method	Method Description	Protocol	Laboratory
Subcontract	TO-15	None	Eurofins

Protocol References:

None = None

Laboratory References:

Eurofins = Eurofins Air Toxics, 180 Blue Ravine Road, Suite B, Folsom, CA 95630



Sample Summary

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

Job ID: 240-217257-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-217257-1	OA-460WMainCanfield-1-20241213	Air	12/13/24 18:27	12/18/24 11:00
240-217257-2	IA-460WMainCanfield-1-20241213	Air	12/13/24 19:33	12/18/24 11:00
240-217257-3	IA-460WMainCanfield-2-20241213	Air	12/13/24 19:31	12/18/24 11:00
240-217257-4	IA-460WMainCanfield-3-20241213	Air	12/13/24 19:30	12/18/24 11:00
240-217257-5	IA-460WMainCanfield-4-20241213	Air	12/13/24 19:27	12/18/24 11:00
240-217257-6	IA-460WMainCanfield-5-20241213	Air	12/13/24 16:35	12/18/24 11:00



Detection Summary

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

Job ID: 240-217257-1

Client Sample ID: OA-460WMainCanfield-1-20241213 **Lab Sample ID: 240-217257-1**

No Detections.

Client Sample ID: IA-460WMainCanfield-1-20241213 **Lab Sample ID: 240-217257-2**

No Detections.

Client Sample ID: IA-460WMainCanfield-2-20241213 **Lab Sample ID: 240-217257-3**

No Detections.

Client Sample ID: IA-460WMainCanfield-3-20241213 **Lab Sample ID: 240-217257-4**

No Detections.

Client Sample ID: IA-460WMainCanfield-4-20241213 **Lab Sample ID: 240-217257-5**

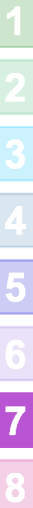
No Detections.

Client Sample ID: IA-460WMainCanfield-5-20241213 **Lab Sample ID: 240-217257-6**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland



1/6/2025

Ms. Nicole Kalis
Eurofins Environment Testing
180 S Van Buren Ave.

Barberton OH 44203

Project Name: MSC Canfield VI
Project #: JY2380
Workorder #: 2412651

Dear Ms. Nicole Kalis

The following report includes the data for the above referenced project for sample(s) received on 12/18/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White
Project Manager



WORK ORDER #: 2412651

Work Order Summary

CLIENT:	Ms. Nicole Kalis Eurofins Environment Testing 180 S Van Buren Ave. Barberton, OH 44203	BILL TO:	Ms. Nicole Kalis Eurofins Environment Testing 180 S Van Buren Ave. Barberton, OH 44203
PHONE:	330-497-9396 X 295	P.O. #	240-217257
FAX:		PROJECT #	JY2380 MSC Canfield VI
DATE RECEIVED:	12/18/2024	CONTACT:	Jade White
DATE COMPLETED:	01/06/2025		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	OA-460WMainCanfield-1-20241213	TO-15	8 "Hg	1.9 psi
02A	IA-460WMainCanfield-1-20241213	TO-15	10.2 "Hg	1.8 psi
03A	IA-460WMainCanfield-2-20241213	TO-15	9.6 "Hg	2.4 psi
04A	IA-460WMainCanfield-3-20241213	TO-15	9.4 "Hg	1.8 psi
05A	IA-460WMainCanfield-4-20241213	TO-15	9.6 "Hg	1.7 psi
06A	IA-460WMainCanfield-5-20241213	TO-15	14.7 "Hg	1.8 psi
07A	Lab Blank	TO-15	NA	NA
08A	CCV	TO-15	NA	NA
09A	LCS	TO-15	NA	NA
09AA	LCSD	TO-15	NA	NA

CERTIFIED BY: 
 Technical Director

DATE: 01/06/25

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2836569, NH NELAP-209224-A, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-13180, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-21

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000



LABORATORY NARRATIVE
EPA Method TO-15
Eurofins Environment Testing
Workorder# 2412651

Six 6 Liter Summa Canister samples were received on December 18, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: OA-460WMainCanfield-1-20241213
Lab ID: 2412651-01A
Date/Time Collected: 12/13/24 06:27 PM
Media: 6 Liter Summa Canister

Date/Time Analyzed: 1/3/25 10:57 PM
Dilution Factor: 1.54
Instrument/Filename: msd3.1 / 3010322

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	0.93	2.7	3.0	Not Detected
Tetrachloroethene	127-18-4	1.7	4.7	5.2	Not Detected
trans-1,2-Dichloroethene	156-60-5	1.2	2.7	3.0	Not Detected
Trichloroethene	79-01-6	0.61	3.7	4.1	Not Detected
Vinyl Chloride	75-01-4	0.91	1.8	2.0	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	75
4-Bromofluorobenzene	460-00-4	70-130	74
Toluene-d8	2037-26-5	70-130	90

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: IA-460WMainCanfield-1-20241213
Lab ID: 2412651-02A
Date/Time Collected: 12/13/24 07:33 PM
Media: 6 Liter Summa Canister

Date/Time Analyzed: 1/3/25 11:25 PM
Dilution Factor: 1.70
Instrument/Filename: msd3.1 / 3010323

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	1.0	3.0	3.4	Not Detected
Tetrachloroethene	127-18-4	1.9	5.2	5.8	Not Detected
trans-1,2-Dichloroethene	156-60-5	1.3	3.0	3.4	Not Detected
Trichloroethene	79-01-6	0.67	4.1	4.6	Not Detected
Vinyl Chloride	75-01-4	1.0	2.0	2.2	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	76
4-Bromofluorobenzene	460-00-4	70-130	76
Toluene-d8	2037-26-5	70-130	92

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: IA-460WMainCanfield-2-20241213
Lab ID: 2412651-03A
Date/Time Collected: 12/13/24 07:31 PM
Media: 6 Liter Summa Canister

Date/Time Analyzed: 1/3/25 11:53 PM
Dilution Factor: 1.71
Instrument/Filename: msd3.1 / 3010324

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	1.0	3.0	3.4	Not Detected
Tetrachloroethene	127-18-4	1.9	5.2	5.8	Not Detected
trans-1,2-Dichloroethene	156-60-5	1.3	3.0	3.4	Not Detected
Trichloroethene	79-01-6	0.67	4.1	4.6	Not Detected
Vinyl Chloride	75-01-4	1.0	2.0	2.2	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	76
4-Bromofluorobenzene	460-00-4	70-130	79
Toluene-d8	2037-26-5	70-130	91

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: IA-460WMainCanfield-3-20241213
Lab ID: 2412651-04A
Date/Time Collected: 12/13/24 07:30 PM
Media: 6 Liter Summa Canister

Date/Time Analyzed: 1/4/25 12:22 AM
Dilution Factor: 1.63
Instrument/Filename: msd3.1 / 3010325

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	0.98	2.9	3.2	Not Detected
Tetrachloroethene	127-18-4	1.8	5.0	5.5	Not Detected
trans-1,2-Dichloroethene	156-60-5	1.2	2.9	3.2	Not Detected
Trichloroethene	79-01-6	0.64	3.9	4.4	Not Detected
Vinyl Chloride	75-01-4	0.97	1.9	2.1	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	77
4-Bromofluorobenzene	460-00-4	70-130	77
Toluene-d8	2037-26-5	70-130	92

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: IA-460WMainCanfield-4-20241213
Lab ID: 2412651-05A
Date/Time Collected: 12/13/24 07:27 PM
Media: 6 Liter Summa Canister

Date/Time Analyzed: 1/4/25 12:50 AM
Dilution Factor: 1.64
Instrument/Filename: msd3.1 / 3010326

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	0.99	2.9	3.2	Not Detected
Tetrachloroethene	127-18-4	1.8	5.0	5.6	Not Detected
trans-1,2-Dichloroethene	156-60-5	1.2	2.9	3.2	Not Detected
Trichloroethene	79-01-6	0.65	4.0	4.4	Not Detected
Vinyl Chloride	75-01-4	0.97	1.9	2.1	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	76
4-Bromofluorobenzene	460-00-4	70-130	76
Toluene-d8	2037-26-5	70-130	92

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: IA-460WMainCanfield-5-20241213
Lab ID: 2412651-06A
Date/Time Collected: 12/13/24 04:35 PM
Media: 6 Liter Summa Canister

Date/Time Analyzed: 1/4/25 01:18 AM
Dilution Factor: 2.20
Instrument/Filename: msd3.1 / 3010327

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	1.3	3.9	4.4	Not Detected
Tetrachloroethene	127-18-4	2.5	6.7	7.5	Not Detected
trans-1,2-Dichloroethene	156-60-5	1.7	3.9	4.4	Not Detected
Trichloroethene	79-01-6	0.87	5.3	5.9	Not Detected
Vinyl Chloride	75-01-4	1.3	2.5	2.8	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	77
4-Bromofluorobenzene	460-00-4	70-130	77
Toluene-d8	2037-26-5	70-130	92

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: Lab Blank
Lab ID: 2412651-07A
Date/Time Collected: NA - Not Applicable
Media: NA - Not Applicable
Date/Time Analyzed: 1/3/25 11:53 AM
Dilution Factor: 1.00
Instrument/Filename: msd3.1 / 3010306a

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	156-59-2	0.60	1.8	2.0	Not Detected
Tetrachloroethene	127-18-4	1.1	3.0	3.4	Not Detected
trans-1,2-Dichloroethene	156-60-5	0.76	1.8	2.0	Not Detected
Trichloroethene	79-01-6	0.39	2.4	2.7	Not Detected
Vinyl Chloride	75-01-4	0.59	1.2	1.3	Not Detected

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	73
4-Bromofluorobenzene	460-00-4	70-130	77
Toluene-d8	2037-26-5	70-130	89

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID:	CCV	Date/Time Analyzed:	1/3/25 10:10 AM
Lab ID:	2412651-08A	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd3.1 / 3010303
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
cis-1,2-Dichloroethene	156-59-2	84
Tetrachloroethene	127-18-4	87
trans-1,2-Dichloroethene	156-60-5	88
Trichloroethene	79-01-6	86
Vinyl Chloride	75-01-4	98

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	79
4-Bromofluorobenzene	460-00-4	70-130	81
Toluene-d8	2037-26-5	70-130	93

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID:	LCS	Date/Time Analyzed:	1/3/25 11:00 AM
Lab ID:	2412651-09A	Dilution Factor:	1.00
Date/Time Collected:	NA - Not Applicable	Instrument/Filename:	msd3.1 / 3010304
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
cis-1,2-Dichloroethene	156-59-2	86
Tetrachloroethene	127-18-4	83
trans-1,2-Dichloroethene	156-60-5	89
Trichloroethene	79-01-6	81
Vinyl Chloride	75-01-4	99

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	75
4-Bromofluorobenzene	460-00-4	70-130	81
Toluene-d8	2037-26-5	70-130	91

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS
MSC Canfield VI

Client ID: LCSD	Date/Time Analyzed: 1/3/25 11:25 AM
Lab ID: 2412651-09AA	Dilution Factor: 1.00
Date/Time Collected: NA - Not Applicable	Instrument/Filename: msd3.1 / 3010305
Media: NA - Not Applicable	

Compound	CAS#	%Recovery
cis-1,2-Dichloroethene	156-59-2	82
Tetrachloroethene	127-18-4	83
trans-1,2-Dichloroethene	156-60-5	83
Trichloroethene	79-01-6	79
Vinyl Chloride	75-01-4	95

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	75
4-Bromofluorobenzene	460-00-4	70-130	80
Toluene-d8	2037-26-5	70-130	90

* % Recovery is calculated using unrounded analytical results.

Method : TO-15 (Sh)-c/t-1,2-DCE, PCE, TCE & VC

CAS Number	Compound	Rpt. Limit (ppbv)
75-01-4	Vinyl Chloride	0.50
156-59-2	cis-1,2-Dichloroethene	0.50
79-01-6	Trichloroethene	0.50
127-18-4	Tetrachloroethene	0.50
156-60-5	trans-1,2-Dichloroethene	0.50

	Surrogate	Method Limits
17060-07-0	1,2-Dichloroethane-d4	70-130
2037-26-5	Toluene-d8	70-130
460-00-4	4-Bromofluorobenzene	70-130

