

**Notice:** Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

## Definitions

**"Property"** refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

**"Liability Clarification"** refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

**"Technical Assistance"** refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

**"Post-closure modification"** refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

## Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

**Do not use this form if one of the following applies:**

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

**All forms, publications and additional information are available on the internet at:** [dnr.wi.gov/topic/Brownfields/Pubs.html](http://dnr.wi.gov/topic/Brownfields/Pubs.html).

## Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an electronic copy of the form and supporting materials on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 2 of 7

## Section 1. Contact and Recipient Information

### Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name Hassler	First Robert	MI	Organization/ Business Name 910 Mayer, LLC
Mailing Address 15 Reservoir Road		City White Plains	State NY
		ZIP Code 10603	
Phone # (include area code) (914) 719-6076	Fax # (include area code)	Email rhassler@reichbrothers.com	

The requester listed above: (select all that apply)

- Is currently the owner
  Is considering selling the Property  
 Is renting or leasing the Property
  Is considering acquiring the Property  
 Is a lender with a mortgagee interest in the Property  
 Other. Explain the status of the Property with respect to the applicant:

### Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name Hassler	First Robert	MI	Organization/ Business Name 910 Mayer, LLC
Mailing Address 15 Reservoir Road		City White Plains	State NY
		ZIP Code 10603	
Phone # (include area code) (914) 719-6076	Fax # (include area code)	Email rhassler@reichbrothers.com	

### Environmental Consultant (if applicable)

Contact Last Name de Courcy-Bower	First David	MI	Organization/ Business Name Environmental Resources Management
Mailing Address 700 W. Virginia Street, Suite 601		City Milwaukee	State WI
		ZIP Code 53204	
Phone # (include area code) (414) 977-4705	Fax # (include area code)	Email david.decourcybower@erm.com	

## Section 2. Property Information

Property Name 910 Mayer Ave - Former Ethylene Dichloride Tank	FID No. (if known) 113004650
BRRTS No. (if known) 02-13-580721	Parcel Identification Number 251/0810-313-0101-3
Street Address 910 Oscar Avenue	City Madison
	State WI
	ZIP Code 53704
County Dane	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Madison
	Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels
	Property Size Acres 48

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 3 of 7

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No  Yes

Date requested by: \_\_\_\_\_

Reason:

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

No. **Include the fee that is required for your request in Section 3, 4 or 5.**

Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

**Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:**

**Section 3. Technical Assistance or Post-Closure Modifications;**

**Section 4. Liability Clarification; or Section 5. Specialized Agreement.**

## Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
  - Include a fee of \$300 for sites with residual soil contamination; and
  - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 4 of 7

**Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.**

## Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

"Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the real Property, and/or the personal Property and fixtures;
- (2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;
- (3) the date the environmental assessment was conducted by the lender;
- (4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.
- (5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.
- (6) a copy of the Property deed with the correct legal description; and,
- (7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).
- (8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292.21(1)(c)2., h.-i., Wis. Stats.:
  - h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.
  - i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

"Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of \$700.**

Provide the following documentation:

- (1) ownership status of the Property;
- (2) the date of Property acquisition by the representative;
- (3) the means by which the Property was acquired;
- (4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;
- (5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and
- (6) a copy of the Property deed with the correct legal description.

Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

- hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];
- Perceived environmental contamination - [649];
- hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or
- solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of \$700, a summary of the environmental liability clarification being requested, and the following:**

- (1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).
- (2) current and proposed ownership status of the Property;
- (3) date and means by which the Property was acquired by the LGU, where applicable;
- (4) a map and the ¼, ¼ section location of the Property;
- (5) summary of current uses of the Property;
- (6) intended or potential use(s) of the Property;
- (7) descriptions of other investigations that have taken place on the Property; and
- (8) (for solid waste clarifications) a summary of the license history of the facility.

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 5 of 7

## Section 4. Request for Liability Clarification (cont.)

Lease liability clarification - s. 292.55, Wis. Stats. [646]

❖ **Include a fee of \$700 for a single Property, or \$1400 for multiple Properties and the information listed below:**

- (1) a copy of the proposed lease;
- (2) the name of the current owner of the Property and the person who will lease the Property;
- (3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;
- (4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;
- (5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and
- (6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

❖ **Include a fee of \$700 and an adequate summary of relevant environmental work to date.**

No Action Required (NAR) - NR 716.05, [682]

❖ **Include a fee of \$700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

❖ **Include a fee of \$700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR. 910 Mayer requests review and confirmation of the RADR, the WPDES NOI/Request for Coverage, and the Injection Request.

## Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: [dnr.wi.gov/topic/Brownfields/Igu.html#tabx4](http://dnr.wi.gov/topic/Brownfields/Igu.html#tabx4).

Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

❖ **Include a fee of \$700, and the information listed below:**

- (1) Phase I and II Environmental Site Assessment Reports,
- (2) a copy of the Property deed with the correct legal description.

Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

❖ **Include a fee of \$1400, and the information listed below:**

- (1) a draft schedule for remediation; and,
- (2) the name, mailing address, phone and email for each party to the agreement.

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 6 of 7

## Section 6. Other Information Submitted

Identify all materials that are included with this request.

**Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.**

**Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.**

Phase I Environmental Site Assessment Report - Date: \_\_\_\_\_

Phase II Environmental Site Assessment Report - Date: \_\_\_\_\_

Legal Description of Property (required for all liability requests and specialized agreements)

Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

Groundwater     Soil     Sediment     Other medium - Describe: \_\_\_\_\_

Date of Collection: \_\_\_\_\_

A copy of the closure letter and submittal materials

Draft tax cancellation agreement

Draft agreement for assignment of tax foreclosure judgment

Other report(s) or information - Describe: Site investigation information previously provided to WDNR

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

Yes - Date (if known): \_\_\_\_\_

No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:  
[dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf](http://dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf).

## Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: \_\_\_\_\_

Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.



11/20/2020

Signature

Date Signed

Partner

414-977-4705

Title

Telephone Number (include area code)

# Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

Form 4400-237 (R 12/18)

Page 7 of 7

## Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

### DNR NORTHERN REGION

Attn: RR Program Assistant  
Department of Natural Resources  
223 E Steinfest Rd Antigo, WI 54409

### DNR NORTHEAST REGION

Attn: RR Program Assistant  
Department of Natural Resources  
2984 Shawano Avenue  
Green Bay WI 54313

### DNR SOUTH CENTRAL REGION

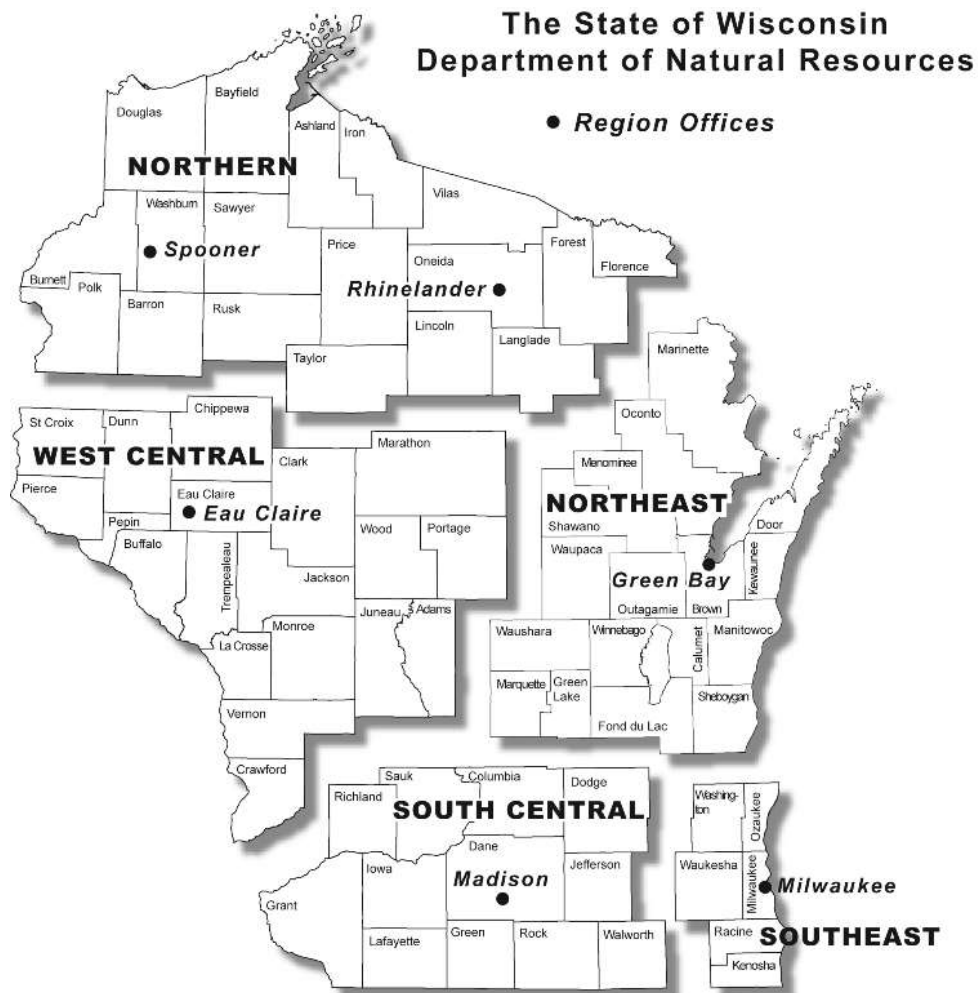
Attn: RR Program Assistant  
Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg WI 53711

### DNR SOUTHEAST REGION

Attn: RR Program Assistant  
Department of Natural Resources  
2300 North Martin Luther King Drive  
Milwaukee WI 53212

### DNR WEST CENTRAL REGION

Attn: RR Program Assistant  
Department of Natural Resources  
1300 Clairemont Ave.  
Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		



November 20, 2020

Steven Martin  
NR Region Program Manager  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Rd  
Fitchburg, WI 53711

Reference: 0441161

Subject: Remedial Action Design Report - EDC Remediation; WPDES NOI/Request for Coverage;  
and Injection Request  
Former 1,2-DCA Tank South Area  
910 Oscar Ave, Madison, Wisconsin  
BRRTs # 02-13-580721

Dear Mr. Martin,

Environmental Resources Management, Inc. (ERM), on behalf of 910 Mayer LLC, prepared the attached Remedial Action Design Report (RADR) – EDC Remediation, a WPDES NOI/Request for Coverage, and a Infiltration and Injection Request to address source area soils and groundwater in the shallow target treatment zone (STTZ) near the former 1,2-DCA Tank South Area at the former Oscar Mayer facility (“the Site”) located at 910 Oscar Ave in Madison, Wisconsin.

The remedial design has been prepared to address shallow vadose zone soils and groundwater in the STTZ as specified in the WDNR Site Investigation Complete Determination – Former Ethylene Dichloride Tank letter dated April 22, 2020. The RADR is provided and builds on previous Site Investigation data previously submitted to the WDNR. 910 Mayer requests WDNR review and approval of the RADR, the WPDES NOI/Request for Coverage, and the Injection Request.

910 Mayer appreciates WDNR review of the provided materials and we look forward to implementation of the remedy. A fee for \$1,750 is being submitted for review of the RADR (\$1,050) and the WPDES NOI/Request for Coverage and Injection Request (\$700).

Yours sincerely

David de Courcy-Bower, P.E.  
Partner





# Remedial Action Design Report

EDC Remediation – Former South Tank Area,

910 Mayer, Madison, Wisconsin

November 20, 2020

Project No.: 0441161

Document details	
Document title	Remedial Action Design Report
Document subtitle	EDC Remediation – Former South Tank Area, 910 Mayer, Madison, Wisconsin
Project No.	0441161
Date	November 20, 2020
Version	1.0
Author	Jennifer Byrd, Liz Stieber, David de Courcy-Bower
Client Name	910 Mayer LLC

#### Document history

Version	Revision	Author	Reviewed by	ERM approval to issue		Comments
				Name	Date	
FINAL	00	JB/LS	DDCB/JR	TO	11.20.2020	Text

---

## Signature Page

20 November 2020

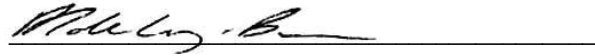
# Remedial Action Design Report

EDC Remediation – Former South Tank Area, 910 Mayer,  
Madison, Wisconsin



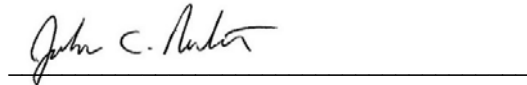
David de Courcy-Bower, PE<sub>WI</sub>  
Partner

I, David de Courcy-Bower, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



David de Courcy-Bower, PE. (Wisconsin License No. 38527)

I, John Roberts, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



John Roberts, PG. (Wisconsin License No. 17)

Environmental Resources Management, Inc.

700 W. Virginia St., Ste 601

Milwaukee, WI 53204

© Copyright 2020 by ERM Worldwide Group Ltd and / or its affiliates ("ERM").  
All rights reserved. No part of this work may be reproduced or transmitted in any form,  
or by any means, without the prior written permission of ERM

## CONTENTS

<b>1.</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Site Information.....	1
1.1.1	Facility and Project Information.....	1
1.1.2	Responsible Party.....	1
1.1.3	Consultant.....	1
1.1.4	Site Location and Description .....	1
1.2	Site Summary .....	2
1.2.1	Summary of Release and Regulatory Status .....	2
1.2.2	Summary of Nature and Extent of Contamination.....	2
1.2.3	Summary of Test Pitting.....	3
1.2.4	Remedial Actions Selected .....	3
<b>2.</b>	<b>REMEDIAL DESIGN .....</b>	<b>4</b>
2.1	Regulatory Standard.....	4
2.2	Excavation Remedial Action Description and Process .....	4
2.2.1	Excavation Permitting .....	5
2.2.2	Excavation Design Documents .....	5
2.3	Injection Remedial Action Description and Process.....	5
2.3.1	Injection Design .....	5
<b>4.</b>	<b>DISCHARGE MANAGEMENT PLAN .....</b>	<b>9</b>
<b>5.</b>	<b>INJECTION EXEMPTION REQUEST .....</b>	<b>10</b>
5.1	NR 140.28(5)(c) - Exemption Prerequisites .....	10
5.2	NR 140.28(5)(D) – Remedial Action Design, Operation, and Monitoring Criteria .....	11
<b>6.</b>	<b>VARIANCE REQUEST.....</b>	<b>13</b>
6.1	NR 812.05 – Disposal of Pollutants; Injection Prohibition .....	13
<b>7.</b>	<b>ANTICIPATED PROJECT SCHEDULE.....</b>	<b>13</b>
<b>APPENDIX A</b>	<b>SOIL BORING LOGS AND WELL CONSTRUCTION LOGS</b>	
<b>APPENDIX B</b>	<b>LABORATORY ANALYTICAL RESULTS</b>	
<b>APPENDIX C</b>	<b>DESIGN SPECIFICATIONS</b>	
<b>APPENDIX D</b>	<b>INJECTANT SAFETY DATA SHEETS</b>	
<b>APPENDIX E</b>	<b>WPDES GENERAL PERMIT NOTICE OF INTENT</b>	

### List of Tables

Table 1	Soil Sample Analysis – Volatile Organic Compounds
Table 2	Vertical Aquifer Sample – VOC Groundwater Analysis
Table 3	Monitoring Well – VOC Groundwater Analysis
Table 4	Monitoring Well – Non-VOC Groundwater Analysis

## List of Figures

Figure 1	Site Location Map
Figure 2	EDC Area Monitoring Well and VAS Locations
Figure 3	EDC Area Soil Boring Locations
Figure 4	EDC Area Soil VOC Data Results
Figure 5	EDC Area Groundwater VOC Data Results
Figure 6	EDC Area Chemistry Cross Section
Figure 7	EDC Area Injection Well Locations
Figure 8	EDC Area Performance Monitoring Wells

## Acronyms and Abbreviations

Name	Description
BRRTS	Bureau for Remediation and Redevelopment Tracking System
DO	dissolved oxygen
EDC	1,2-Dichloroethane
ERM	Environmental Resources Management, Inc.
ES	Enforcement Standard
ft bgs	Feet Below Ground Surface
MNA	monitored natural attenuation
NIDC	Non-Industrial Direct Contact
NOI	Notice of Intent
NR	Department of Natural Resources
ORP	Oxidation Reduction Potential
PAL	Preventive Action Limit
µg/kg	Micrograms per Kilogram
µg/l	Micrograms per Liter
RADR	Remedial Action Design Report
RCL	Residual Contaminant Level
SDS	Safety Data Sheet
SSC	Subsurface clearance
STTZ	Shallow Target Treatment Zone
TOC	Total Organic Carbon
VAS	Vertical Aquifer Sample
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources

## 1. INTRODUCTION

Environmental Resources Management, Inc. (ERM) has prepared this Remedial Action Design Report (RADR) on behalf of 910 Mayer, LLC. The purpose of this report is to present design details for the Former 1,2-DCA Tank South Area as required by Chapter Department of Natural Resources (NR) 724 of the Wisconsin Administrative Code (WAC). This report includes general site information, a summary of the discovery of the release and the subsequent site investigation, details regarding the proposed remediation and monitoring activities, and the anticipated schedule for the project.

### 1.1 Site Information

#### 1.1.1 Facility and Project Information

910 Mayer, LLC  
910 Oscar Ave  
Madison, WI  
BRRTS No.: 02-13-580721

#### 1.1.2 Responsible Party

Mr. Robert Hassler  
910 Mayer LLC  
15 Reservoir Road  
White Plains, NY 10603  
Phone: (914) 719-6076  
Email: rhassler@reichbrothers.com

#### 1.1.3 Consultant

Mr. David de Courcy-Bower  
Environmental Resources Management, Inc.  
700 West Virginia St., Suite 601  
Milwaukee, WI 53204  
Phone: (414) 977 4705  
Email: david.decourcybower@erm.com

#### 1.1.4 Site Location and Description

The Site is located at 910 Oscar Avenue in Madison, Wisconsin. The Site is located in the NE ¼ of the SW ¼ of Section 31, Township 08 North, Range 10 East in Dane County, Wisconsin. The location of the Site is shown on **Figure 1**, developed from the United States Geological Survey (USGS) 7.5-minute quadrangle for Madison East dated 1983.

## 1.2 Site Summary

### 1.2.1 Summary of Release and Regulatory Status

In the summer of 2017, ERM performed a Phase II ESA on behalf of 910 Mayer LLC in connection with its due diligence activities regarding potential acquisition of the property. The Phase II included 63 soil borings, numerous soil and groundwater samples, and 16 sub-slab vapor samples. ERM disclosed the results of the Phase II investigation to 910 Mayer LLC, who forwarded them to Kraft Heinz Food Company (“Kraft Heinz”), the property owner at the time. Kraft Heinz shared the results with Ramboll-Environ, who, on behalf of Kraft Heinz, reported three notifications of release to the WDNR on October 19, 2017. 910 Mayer LLC purchased the property on October 18, 2017. Subsequently, ERM followed up with the WDNR and became aware that the WDNR had not received the three notifications due to the size of the electronic notifications. Therefore, ERM forwarded the three notifications of release to the WDNR on November 29, 2017. 910 Mayer LLC had previously informed the WDNR in a letter dated October 30, 2017 that they had acquired the Site, effective October 18, 2017. The former 1,2-DCA Tank South Area notification of release relates to concentrations of VOCs, PAHs, and metals detected in soil and/or groundwater samples collected in and around the former 1,2-DCA Tank South Area located in the southern portion of the property (BRRTs# 02-13-580721).

### 1.2.2 Summary of Nature and Extent of Contamination

Based on investigations completed, the primary concern for the former 1,2-DCA Tank South Area is concentrations of 1,2-Dichloroethane (1,2-DCA aka Ethylene Dichloride/EDC) in soil and groundwater samples that exceed WDNR soil and groundwater criteria. The results of the site investigation are summarized in the letter titled *Site Investigation Data* submitted to the WDNR on June 17, 2019, and the letter titled *Remediation Technology Screening* submitted to the WDNR on December 9, 2019. A *Site Investigation Complete Determination – Former Ethylene Dichloride Tank* letter was provided by the WDNR on April 22, 2020. Consistent with the letter titled *Conceptual Design Summary – Former EDC Tank Area* dated June 24, 2020 which was submitted to WDNR, ERM completed additional pre-design investigation activities between June and August, 2020. To evaluate conditions in this area, ERM installed:

- 27 Soil Borings (TS-GP-1 through TS-GP-27) to further define the shallow soils that require remediation
- 12 Vertical Aquifer Sample (VAS) Locations (TS-VAS-21 through TS-VAS-32) to better define the shallow groundwater plume
- 7 Groundwater Monitoring Wells (6 shallow, 1 intermediate) (TS-MW-21A, TS-MW-21B, TS-MW-22A, TS-MW-22B, TS-MW-23A, TS-MW-23B, TS-MW-24B)
- 2 Test Excavations to observe groundwater infiltration and sidewall stability for an excavation remedy

Investigation data yielded from these and previous investigations supported development of this RADR. Monitoring well and VAS locations are shown on **Figure 2** and soil boring locations are shown on **Figure 3**. The soil boring logs and well construction forms are provided as **Appendix A**. Soil and groundwater samples were submitted to Pace Analytical of Green Bay, Wisconsin. Select groundwater samples were also submitted for QuantArray® analysis by Microbial Insights of Knoxville, Tennessee. Laboratory analytical results are provided as **Appendix B**. Laboratory analytical results were compared to WDNR criteria (as specified in WAC NR140 and NR720). Analytical results are presented as **Tables 1 through 4** and presented on **Figures 4 through 6**.

Groundwater results indicate that concentrations of EDC are highest in the vicinity of the former EDC tanks and have migrated in a sand unit that underlies the shallower finer grained soils and overlies a silt layer (see cross-section **Figure 6**). Concentrations of EDC in groundwater monitoring wells within this sand were detected up to a concentration of 53,200 ug/l at TS-MW-22A2 and exceed the NR140 Groundwater Enforcement Standard (ES) of 5 ug/l. The maximum VAS concentration at this location was 34,000 ug/l, and the maximum VAS concentration in the area was 80,000 ug/l at nearby VAS-21. During a meeting with the WDNR in December 2019, the WDNR requested active remediation of these elevated concentrations in groundwater. Further, the WDNR letter dated April 22, 2020 also requested active remediation of the groundwater. The extent of EDC in groundwater is presented on **Figures 5 and 6**.

Six groundwater samples were selected for microbial analyses using QuantArray® analysis. QuantArray® analysis is a DNA-based technology that targets the detection of microorganisms and functional genes that are specific to the biodegradation of a class of compounds. Chlorinated QuantArray targets the functional genes for a number of enzymes that are known to be involved in the aerobic or anaerobic biodegradation of chlorinated compounds. These functional gene targets are listed by respiration process (aerobic or anaerobic). In general, the enzymes coded by these genes are involved in the initial steps of biodegradation and are specific to a group of substrates. The laboratory reports from Microbial Insights, which are included in **Appendix B**, provides additional information on the activities of these enzymes. The results are reported in terms of estimated numbers of cells per milliliter (cells/ml) and graphical representations of the results are provided. For the primary contaminant of concern (EDC) the functional gene target is the DCAR. The DCAR results show that the mid to low range anaerobic targets were detected. This indicates that the microbial population in groundwater has some capacity to attenuate EDC.

Soil results indicate that concentrations of EDC are highest in the vicinity of the former EDC tanks. Concentrations of EDC were detected up to a concentration of 1,900 mg/kg at TS-GP-15. This is consistent with the detections of EDC observed at SB-14 and SB-15. The WDNR letter dated April 22, 2020 stated “Any chosen remedial measure must adequately restore this location” and active remediation of both unsaturated and saturated soil impacts is required. The extent of soil impacts that require restoration is shown on **Figure 4** and is estimated to be approximately 1,400 cubic yards. Based on this information, this RADR is provided for the shallow target treatment zone (STTZ) for saturated and unsaturated soils near SB-14 and SB-15.

### 1.2.3 Summary of Test Pitting

Soil test pitting was completed in June of 2020 near the former 1,2-DCA Tank South Area. The purpose of the test pitting was to evaluate the feasibility of excavation as a remedial alternative for the STTZ with respect to sidewall stability and groundwater infiltration. The test pits were excavated with a backhoe to approximately 12 feet below ground surface (ft bgs) and left open for approximately 2 hours. Groundwater infiltration was observed to be relatively slow and sidewalls were observed to be relatively stable. These observations indicated that an excavation remedy would be a viable remedial alternative for the STTZ in the vadose and saturated zones at the source area.

### 1.2.4 Remedial Actions Selected

Remedial technology screening presented in the *Remediation Technology Screening* submitted to the WDNR on December 9, 2019 concluded that excavation and chemical / enhanced biodegradation substrate injection / soil mixing were the preferred remedial alternatives to address the STTZ source soil.

- **STTZ Soil** – Due to the success of the test pitting, excavation was the selected remedial alternative to mitigate source area vadose zone and saturated soils.



- **STTZ Groundwater** – Due to the elevated concentrations of 1,2-DCA in shallow groundwater and geochemistry indicators, enhanced biodegradation substrate injection has been selected to address groundwater in the STTZ.
- **Intermediate TTZ Groundwater** – Quarterly groundwater monitoring will be conducted to evaluate if the remaining groundwater impacts will be successfully addressed by monitored natural attenuation. Following completion of additional monitoring, a monitored natural attenuation (MNA) analysis will be completed to supplement this RADR.

Based on the selected approach, the following section describes the excavation and injection remedial designs.

## 2. REMEDIAL DESIGN

### 2.1 Regulatory Standard

Soil concentrations in the former 1,2-DCA Tank South Area exceed the WAC NR 720 Non-Industrial Direct Contact (NIDC) and Soil-to-Groundwater Residual Contaminant Levels (RCLs). Groundwater concentrations exceed the WAC NR140 Groundwater Enforcement Standard (ES) and Preventive Action Limit (PAL). The goal of the STTZ soil excavation is to achieve the WAC NR 726 site closure requirements including elimination of NIDC risks in the vadose zone and to reduce or eliminate saturated soils containing significant VOC mass as a source of groundwater impact. The goal of the remedy for the STTZ Groundwater is to reduce the mass of VOCs in groundwater and demonstrate a stable or decreasing groundwater plume. It is anticipated that longer-term monitored natural attenuation will address residual groundwater conditions relative to WAC NR 140 standards.

### 2.2 Excavation Remedial Action Description and Process

Soils will be excavated to a depth of 5-15 feet below grade as shown on **Figure 4**. The estimated volume of soil to be removed is approximately 1,400 cubic yards. In general, excavation activities will include:

- Utility locate and protection
- Soil erosion and sediment control
- Clearing, grubbing, and tree removal
- Excavation
- Dewatering (as necessary)
- Backfill and compaction
- Management of excavated soils, including prevention of any contaminated soil, sediment, or storm water from entering the storm sewer or from leaving the site
- Transportation and disposal of the spoils at Waste Management's Madison Prairie landfill facility
- Site restoration, including topsoil, seed, and mulch

The excavation extents were based on the analytical results from the pre-design investigation soil borings (Section 1.2.2). **Figure 4** depicts boring locations and soil sample results. All data are presented in **Table 1**. Call-out boxes are only shown for those borings with NIDC RCL exceedances at any depth in the boring; not all sampling depths are depicted in those borings. The light blue boxed borings have vadose samples (i.e., collected above 4 feet below grade) below the NIDC RCLs. **Figure 4** indicates that the extent of NIDC RCL exceedances has been sufficiently delineated and the distribution of the soil borings

is equivalent to a sidewall sampling program. In addition, the proposed excavation will mitigate vadose zone NIDC RCL exceedances. Therefore, sidewall confirmation samples are not proposed to be collected unless requested by the WDNR.

## 2.2.1 Excavation Permitting

### 2.2.1.1 Permits

The limits of work are less than one acre, therefore, coverage under the WDNR Construction Site Storm Water Runoff General Permit is not required.

A permit from the City of Madison has been obtained to discharge groundwater collected during excavation dewatering activities to the sanitary sewer. The permit requires the removal of sediment in compliance with NR 1061.

## 2.2.2 Excavation Design Documents

ERM prepared design documents as part of the bid package to prospective remedial contractors qualified to conduct the excavation project. The excavation documentation consists of the design specifications (**Appendix C**).

## 2.3 Injection Remedial Action Description and Process

EDC in groundwater in the STTZ will be treated with an injection based remedy to promote anaerobic bioremediation. A carbon substrate will be injected into a series of permanent injection wells screened in the STTZ to promote biological reduction. The design and permitting information for the STTZ is presented in the following sections.

### 2.3.1 Injection Design

#### 2.3.1.1 Injection Well Layout

Permanent injection wells will be installed in a grid on approximate 30-foot centers in the source area and core of the EDC plume. The injection wells will be screened in the STTZ to deliver amendment to the areas with elevated EDC concentrations. The wells will be installed to a total depth corresponding to the highest concentrations in the saturated zone and slightly below (in the case of TS-MW-17) and will be equipped with 10-15 feet of screen (screen length may vary based on conditions observed at each location). The assumed radius of influence is 15 feet for each injection well. A total of 12 injection wells will be installed in the source area and the core of the plume in the EDC area to target treatment in the areas that exhibit the highest concentration of EDC. The wells will be developed and sampled prior to injection. Up to 5 additional injection wells may be installed, as needed, based on the results of the pre-injection sampling event. The injection well layout is depicted on **Figure 7**. Injection permitting is addressed in Section 5 below.

#### 2.3.1.2 Performance Monitoring Well Layout

Existing wells TS-MW-18A/B, TS-MW-19A/B, TS-MW-20A/B/C, TS-MW-21A1/A2, TS-MW-22A/A2, TS-MW-23A/A2, TS-MW-24B, TS-MW-26, and TS-MW-27, and two new wells at the source (MW-17A/B to be installed following the excavation) will be used for performance monitoring. The proposed layout for the performance monitoring wells is depicted on **Figure 8**. Similar to the injection wells, the monitoring wells will be equipped with 10 feet of screen and will be screened across the saturated zone to a total depth of approximately 25 ft bgs. The performance monitoring wells will be developed and sampled prior

to injection. Up to three additional performance monitoring wells may be installed, as needed, based on the result of the pre-injection sampling event.

### *2.3.1.3 Injection Fluid Composition and Rationale*

The carbon substrate selected for injection could be a combination of emulsified vegetable oil, fatty acids, and lactate. A commercially available substrate, such as ABC<sup>®</sup> developed by Redox Tech, will be diluted into potable water and injection into the subsurface to promote microbial growth. ABC<sup>®</sup> is a mixture of lactates, fatty acids, emulsified vegetable oil, and a phosphate buffer. The phosphate buffer supplies micronutrients required for cell growth while providing buffering capacity to help maintain an optimal pH range for microbial growth. ABC<sup>®</sup> has a comparatively lower viscosity at ambient temperatures than other substrates commonly used as a carbon source for anaerobic biodegradation. Consequently, ABC<sup>®</sup> does not need to be heated or excessively diluted prior to injection. The lower viscosity also increases the distance the injectant can be dispersed in the aquifer during injection. A Safety Data Sheet (SDS) for ABC<sup>®</sup> is attached as **Appendix D**.

The injection will consist of gravity-feed delivery of 2,575 pounds (320 gallons) of ABC<sup>®</sup> (or equivalent) to each injection well. The carbon substrate will be injected as a dilute solution ranging from between 5 to 20 weight percent (wt%) solution amounting to approximately of 1,500 to 7,000 gallons per injection point; resulting in injection of a total of 18,000 to 84,000 gallons of injectant per injection event. The injection volumes were calculated based on an effective porosity of between 3% and 13%. The volume of injectant delivered into each well will be determined by the rate at which injectant can be delivered to the aquifer through each point. For injection wells that have a high rate of acceptance, the carbon substrate will be delivered at a higher volume of injectant, but a lower carbon concentration. For injection wells that exhibit slow rates of injectant acceptance the carbon will be delivered at a higher concentration, but lower total volume of injectant.

To increase the rate of biodegradation, Dehalococcoides bacteria may be mixed into the carbon substrate solution prior to injection. Injections will continue as frequently as necessary to increase and maintain the desired TOC concentration in the aquifer surrounding the injection area. The injection volume and carbon content will be updated based on the indicator parameter sampling results following each injection as necessary to maintain the desired conditions for anaerobic reductive dechlorination.

### *2.3.1.4 Injection Procedure and Equipment*

The injectant will be delivered to the STTZ through gravity feed injection into permanent injection wells. The carbon substrate will be batch mixed and delivered to smaller tanks (between 275 and 500 gallons) located at each well head. The top of each injection well will be fitted with a cam lock fitting to allow easy connect of injection hoses from the injection well to the tank. Once the valve on the bottom of the tank is open, the injectant will be allowed to gravity feed into the injection well and into the STTZ. Additional batches of carbon substrate will be delivered to the wells until the design volume has been delivered to the aquifer.

A “drip test” will be conducted on a newly installed well by gravity feeding city water into the aquifer to determine the acceptance rate in these confined aquifer conditions. If the rate of injection is too slow to allow for gravity feed injection alone to accomplish the remedial goals, a small double diaphragm pump may be used to increase the flow rate. Water obtained from the municipal water system will be used to

prepare the carbon substrate solution. The actual injection pressure will be determined in the field based on changes in water table elevation observed during the injection.

### 3. PROPOSED GROUNDWATER MONITORING PLAN

#### 3.1 Performance Monitoring

The table summarizes the anticipated sampling program for the former 1,2-DCA Tank South Area.

Wells	Sampling Frequency	Analyte List
Injection Wells	Baseline and as needed for select wells following injection to evaluate performance remedy.	VOCs
All Monitoring Wells	Baseline Quarterly for two to three years	VOCs Field parameters: ORP, pH, DO
	Baseline and as needed	Microbial Analysis (up to 12) Nitrate, Sulfate, Iron, Manganese Alkalinity Dissolved gases (ethene, ethane, methane) Available carbon: TOC

Groundwater sampling will be conducted via low flow sampling methods and will be submitted to a Wisconsin certified laboratory for analysis.

#### 3.2 Reporting

Within 60 days of completion of the remedial actions, a Construction Documentation Report will be submitted to the WDNR. The report will be prepared in accordance with the requirements of NR724, and will document the remedial activities.

Quarterly groundwater sampling reports will be submitted to the WDNR on an annual basis. The reports will summarize the analytical data collected from the previous four quarters of groundwater monitoring and provide recommendations based on groundwater trend analysis.

## 4. DISCHARGE MANAGEMENT PLAN

A discharge management plan as required under the Notice of Intent (NOI) provided in Appendix E that includes the information specified in Section 3 of the July 1, 2018 WPDES Permit No. WI-0046566-07-0 for Contaminated Groundwater From Remedial Action Operations is provided below. The information requested by WDNR is listed below in bold followed by the response.

1. **A detailed site map.** The figures attached to this report provide a detailed site map.
2. **A general description of the suspected sources of groundwater pollution at the site.** Release occurred from the above ground storage tanks for EDC formerly located at the Site. Additional information about the nature and extent of contamination is provided in Section 1.2.
3. **Final plans and specification for the proposed treatment system (if necessary).** A treatment system is not part of the groundwater remediation plan.
4. **General description of the planned operation and maintenance.** Following carbon substrate injections, operation and maintenance of a system will not occur. Proposed sampling locations and routine monitoring and analysis are provided in the Proposed Groundwater Monitoring Plan presented above.
5. **A listing of all required local, state and federal permits, licenses and approvals to construct and implement the remedial or interim action. Please include the s. NR 140.28(5), Wis. Adm Code, temporary exemption request and approve for the injection or infiltration of a substance of remedial material (if necessary).** A WPDES permit is required for the injections and the NOI is included in Appendix E. The NR 140.28(5) temporary exemption request is provided in Section 5.
6. **Description of erosion and sediment control practices.** The injection will occur below the ground surface is small diameter borings and the only surface disturbance associated with the injection is the drilling of injection wells. Because limited ground disturbance activities will be conducted as part of the injection, erosion and sediment controls are not required.
7. **A summary of analytical results detected at the site for the substances listed in Table 2 of Section 5.3. The summary shall include results from any volatile organic compounds and polycyclic aromatic hydrocarbons scan.** Summary tables for VOCs in soil are provided in **Table 1** and VOCs in groundwater are provided in **Table 2**. Additional data is summarized in **Tables 3 and 4**.
8. **A summary of the substance or remedial material to be used for the purpose of restoring contaminated soil or groundwater (if necessary). Please include the material safety sheet s for each substance or material and the sampling location of the discharge.** The SDS of the proposed remedial materials are provided in Appendix D.
9. **Monitoring exemption request for sampling for certain contaminants regulated by this permit. The application must demonstrate that contaminants will not be present in the effluent discharge. The initial sample analysis results must not exceed 20% of any permit discharge limitations and certify that there is no abrupt chance that a permit limit will be exceeded through the treatment system.** No groundwater will be extracted as part of the remediation strategy, and no effluent will be released to the environment as part of the remediation strategy.

10. **Alternative sampling location request for monitoring groundwater discharges at a new or existing groundwater monitoring system downgradient of infiltration system to demonstrate compliance with this permit. Applicants must demonstrate that the groundwater monitoring system is downgradient of the infiltration and that a representative sample of the discharge will be collected.** The Proposed Groundwater Monitoring Plan presented in Section 3 includes sampling of monitoring wells located within and downgradient of the injection area to assess remedy performance. The Proposed Groundwater Monitoring Plan includes analysis for constituents of concern.
11. **Applicants must demonstrate that there is no reasonable potential to exceed water quality standards listed in to chs. NR 102, NR 104, NR 105, NR 106, NR 207, and NR 217 Wis. Adm. Code, for pollutants not directly limited by this permit, or that there is no reasonable potential to exceed groundwater quality standards listed in Ch. NR 140, Wis. Adm. Code, for pollutants not directly limited by this permit.** Exceedances of groundwater quality standards are inherent in the proposed anaerobic bioremediation method. The exceedances are generally considered acceptable temporary side effects of the method in order to remediate recalcitrant cVOCs. Therefore, an injection exemption request is provided in Section 5.

## 5. INJECTION EXEMPTION REQUEST

As the proposed groundwater remediation involves injection of an amendment into waters of the State (i.e. groundwater), the process requires a temporary exemption under WAC NR 140.28(5) and a variance from WAC NR 812.05. Chapter NR 140.28(5) identifies prerequisites and criteria for granting a temporary exemption when infiltration or injection are utilized for remedial action. The following sections provide information required by Paragraphs NR 140.28(5)(c) and (d).

### 5.1 NR 140.28(5)(c) - Exemption Prerequisites

This section addresses the exemption prerequisites listed in Paragraphs 1 through 6 of NR 140.28(5)(c):

1. **Reasonable Period of Time:** This prerequisite requires the remedial action to achieve the applicable response objectives required by NR 140.24(2) (compliance with PALs) or NR 140.26(2) (compliance with ESs) within a reasonable period of time. The expected time frame for active remediation at this site is three to five years following the initial injection. Subsequent injections may be required to maintain a carbon and bacteria concentration sufficient to drive anaerobic bioremediation. It is anticipated that injections will be required annually for the first three years. The frequency and number of injections will be based on the performance monitoring data collected quarterly as part of the remedy implementation (see Section 3 for the Proposed Groundwater Monitoring Plan).

Chapter NR 722.07(4)(a) provides criteria for determining restoration timeframes. The expected timeframe needed to achieve necessary restoration is generally related to the presence of receptors and contaminant mobility. There are no known open receptor pathways for groundwater downgradient of the treatment area. There are also no structures present within the footprint of the plume where vapor intrusion may result in an open exposure pathway. Due to the lack of open exposure pathways, the remedial timeframe appears reasonable.

2. **Minimization if Injected Remedial Material:** The carbon substrate injection has been designed to distribute adequate amendment throughout the STTZ to drive anaerobic biodegradation of EDC. The carbon substrate that will be injected can be utilized as a food source by aerobic and anaerobic bacteria and as a result will be consumed by naturally occurring bacteria as it moves

away from the injection points. The Proposed Groundwater Monitoring Plan included in Section 3 includes measurements for total organic carbon to quantify the concentration and distribution of amendment in the aquifer. The data from the performance monitoring wells will be used inform future injection events to limit carbon substrate distribution to areas with elevated concentrations of EDC.

3. **Impacts to Public Health or Welfare:** The injectant required to drive anaerobic degradation of EDC is a food grade organic carbon that could consist of a combination of emulsified vegetable oil, fatty acids, and lactate. It does not present a threat to public health or welfare. The carbon substrate will be consumed by naturally occurring bacteria present in the aquifer and will not persist in the environment. A site specific Health and Safety Plan will be prepared for the injection process and will limit exposure during the injection process. The STTZ groundwater is not used for human consumption. There are no structures present in or adjacent to the injection area so the vapor intrusion pathway is not complete. The proposed injection is not expected to threaten public health or welfare.
4. **Presence of Floating Non-Aqueous Phase Liquid:** Light non-aqueous phase liquid (LNAPL) was not observed during the investigation and consequently this prerequisite is not applicable.
5. **Expansion of Groundwater Contamination:** The injections will occur inside the boundaries of known impacted groundwater and will be delivered at a rate and volume that is designed to result in subsurface blending of the injectant and contaminated groundwater. The design volume of injection ranges from 9% to 44% of the groundwater present in the treatment area. The injection volume will be delivered through gravity feed injection which will limit displacement. The water levels in nearby monitoring points will be monitored during injection and if the delivery of amendment causes significant mounding in the subsurface, the volume of injection will be adjusted and the concentration of carbon substrate will be increased to maintain design parameters.
6. **Other Permits and Licenses:** A variance from the WDNR under Section NR 812.05 is required and is addressed below. The NOI for a WPDES general permit is provided as Appendix E.

## 5.2 NR 140.28(5)(D) – Remedial Action Design, Operation, and Monitoring Criteria

This section addresses the design, operation, and monitoring criteria listed in Paragraphs 1 through 5 of NR 140.28(5)(d):

1. **Design, Operation, and Monitoring Procedures:** The injection procedures described in Section 2.3 were established to comply with NR 140.28(5)(c) and (d).

The Proposed Groundwater Monitoring Plan presented in Section 3 will be implemented to evaluate the progress of remediation and changes in groundwater geochemical conditions. VOC results will provide an indication of rate of remedial progress, completion of biodegradation to non-toxic endpoints, and constituent concentration relative to Chapter NR 140 ESs. Water level data will be used to evaluate the effect, if any, on groundwater flow. Natural attenuation indicator data (dissolved oxygen, oxidation reduction potential, pH, etc.), will be used to evaluate whether geochemical conditions within the aquifer are suitable for anaerobic biodegradation.

2. **Pre-Treatment of Contaminated Groundwater Prior to Reinfiltration or Reinjection:** No groundwater will be extracted as part of the proposed remedy and no groundwater will be injected or infiltrated back into the subsurface.



- 3. Remedial Material Proposed for Injection:** The injection amendment could consist of a solution of soluble carbon substrate (lactate), fatty acids, emulsified vegetable oil, trace nutrients, bacteria, and potable water. The SDSs for a potential injectant are included in Appendix D.
- 4. Volume and Rate of Injection:** The injectant will be delivered to the STTZ through gravity feed injection into permanent injection wells. The carbon substrate will be injected as a dilute solution ranging from between 5 to 20 weight percent (wt%) solution amounting to approximately of 1,500 to 7,000 gallons per injection point; resulting in injection a total of 18,000 to 84,000 gallons of injectant per injection event (assuming 12 injection wells). The injection volumes were calculated based on an effective porosity of between 3% and 13%. The volume of injectant delivered into each well will be determined by the rate at which injectant can be delivered to the aquifer through each point. For injection wells that have a high rate of acceptance, the carbon substrate will be delivered at a higher volume of injectant, but a lower carbon concentration. For injection wells that exhibit slow rates of injectant acceptance the carbon will be delivered at a higher concentration, but lower total volume of injectant.
- 5. Locations of Injection:** The proposed injection layout is depicted in **Figure 7**.

## 6. VARIANCE REQUEST

### 6.1 NR 812.05 – Disposal of Pollutants; Injection Prohibition

Based on NR 812.05, "...the use of any well, drillhole or water system for the placement of any waste, surface or subsurface water or any substance, as defined in s. 160.01 (8), Stats., underground is prohibited unless...the placement is a department - approved activity necessary for...the remediation of contaminated soil, groundwater or an aquifer."

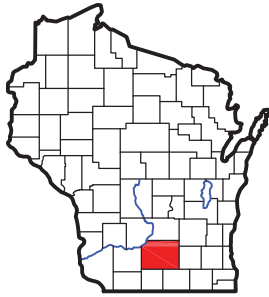
Because a bioaugmented carbon substrate solution is proposed for injection into groundwater at the Site as a WDNR - approved activity necessary for remediation of contaminated groundwater at the Site, a variance under NR 812.05 is requested.

## 7. ANTICIPATED PROJECT SCHEDULE

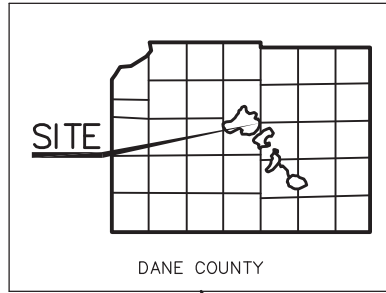
The following is the anticipated schedule of activities for the implementation of the remedy.

Task	Schedule
Submit Remedial Design Report to WDNR	November 9, 2020
Receive WDNR Approval of Design Report	November 27, 2020*
Excavation	November-December, 2020
Installation of Injection Wells	November-December 2020 (potentially prior to WDNR review of RADR)
Initial Injection Event	December 2020 or Spring 2021 (dependent on weather and other factors)

\* We are anticipating an expedited review of the excavation task by WDNR, prior to November 27, 2020



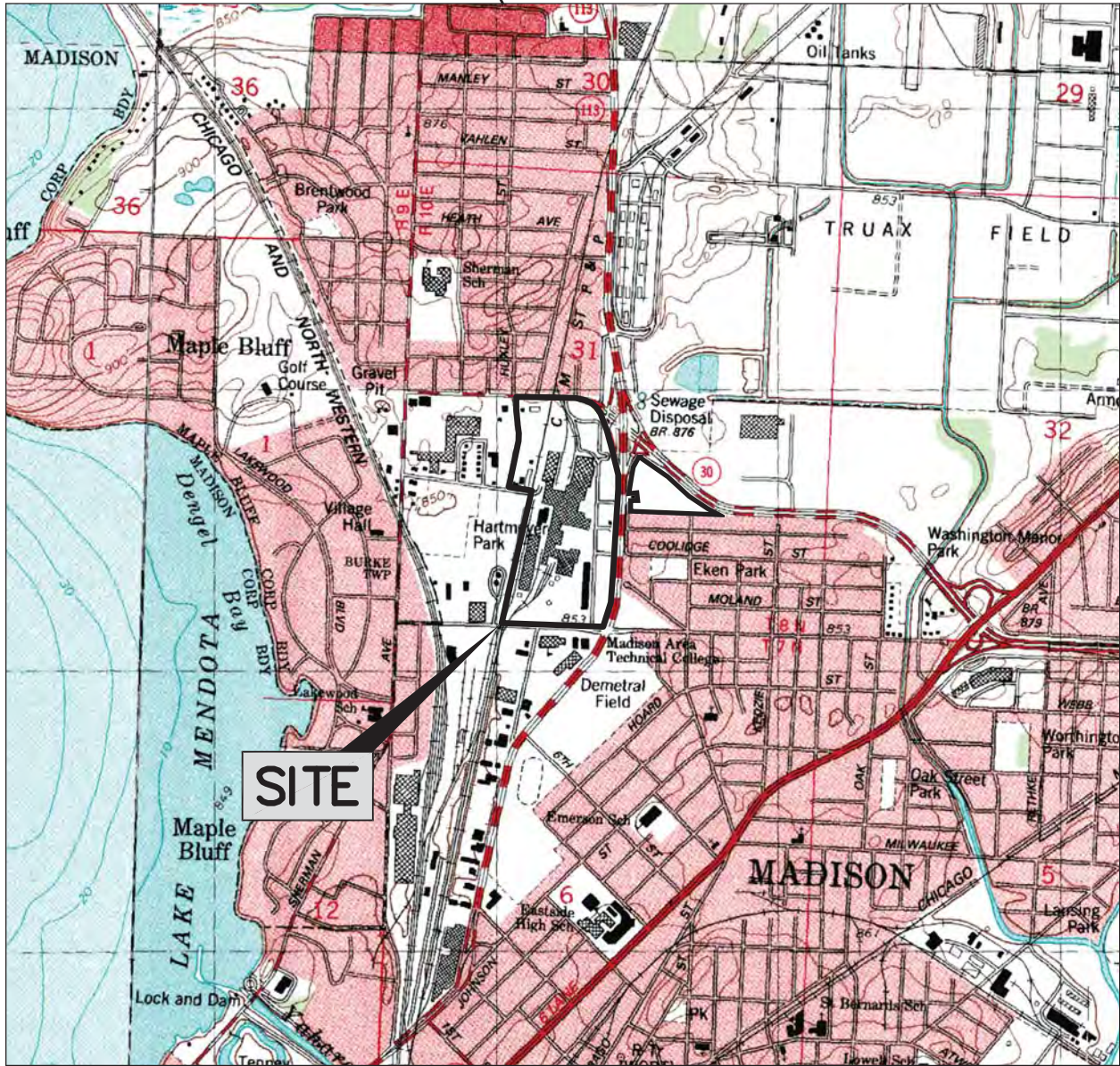
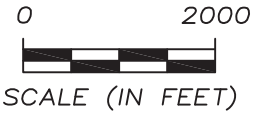
WISCONSIN



SITE

DANE COUNTY

SECTION 31  
T.8N. - R.10E.  
CITY OF MADISON  
DANE COUNTY  
WISCONSIN



SITE

Q:\Team\DMMV\CintQ-T\Reich Brothers\0403363\0403363-SLM.dwg, SLM, 9/27/2017 2:16:43 PM, GML

ADAPTED FROM USGS  
MADISON EAST/1983

REVISIONS ARE TO BE MADE ON THE CADD FILE ONLY



# SITE LOCATION MAP

910 OSCAR AVENUE  
MADISON, WISCONSIN

CADD Review RMK

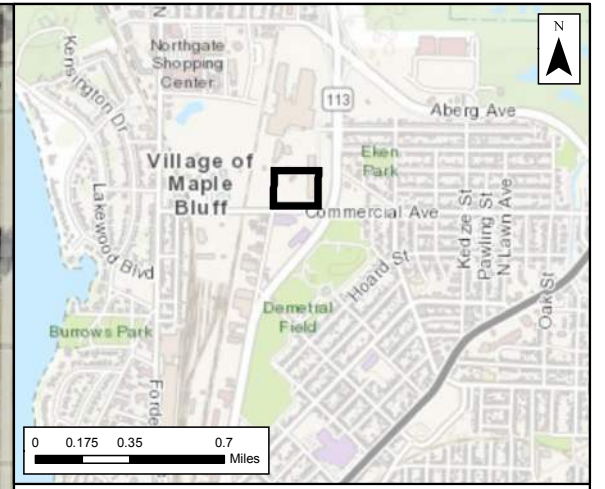
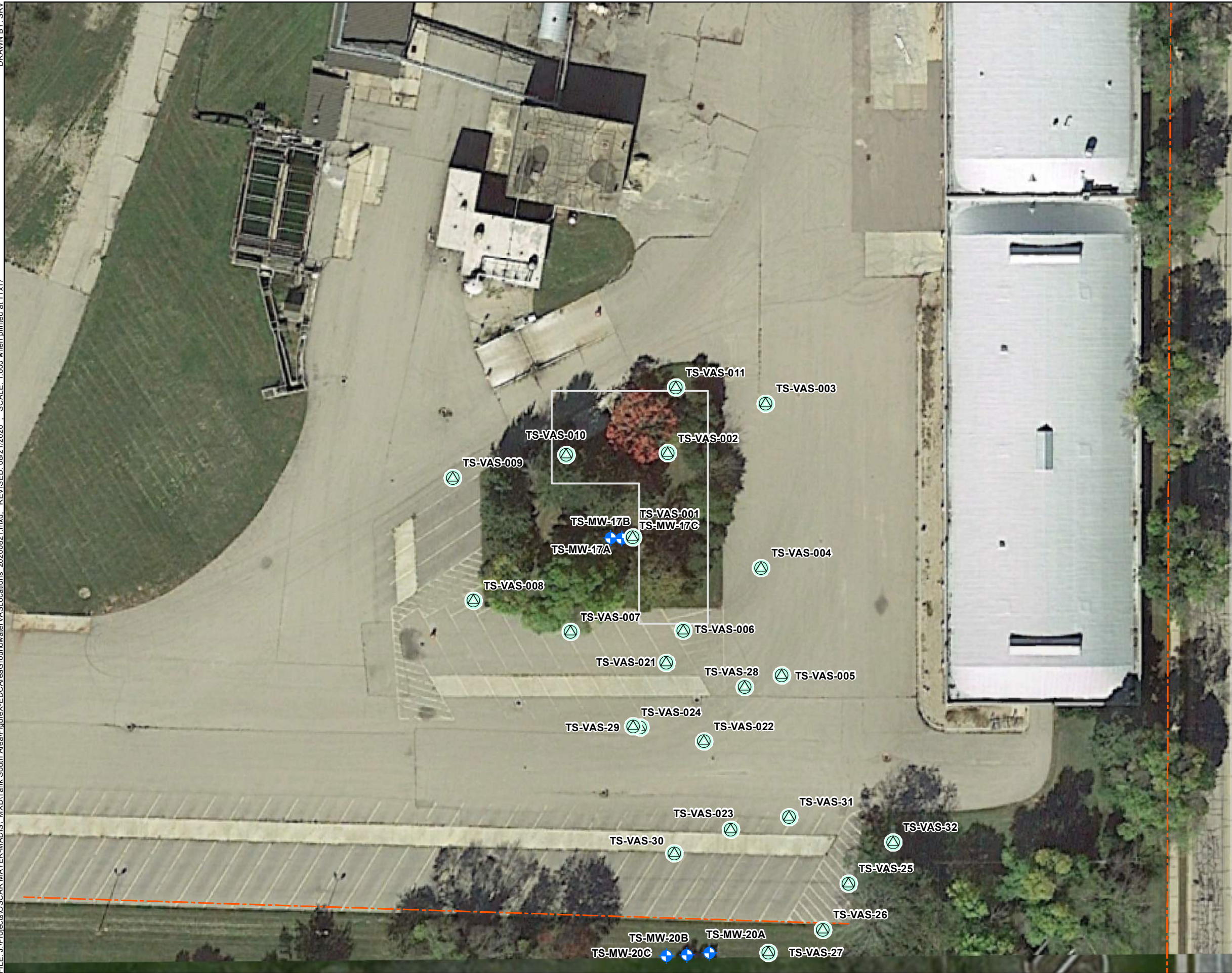
CHK'D CS

**0441161**

Drawn By  
GML 9/27/17

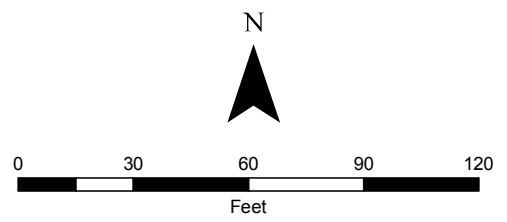
## Environmental Resources Management

FIGURE 1

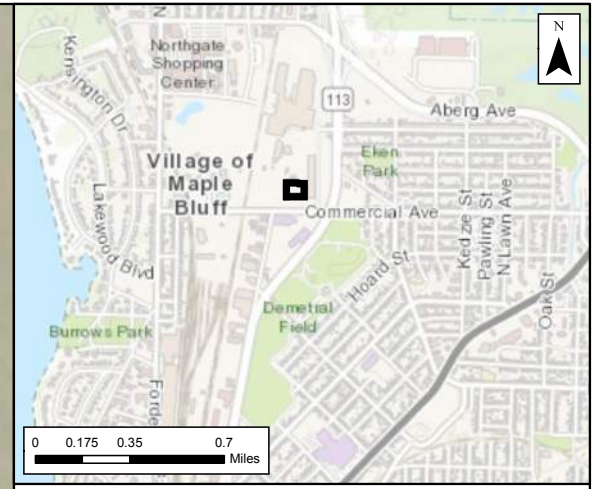
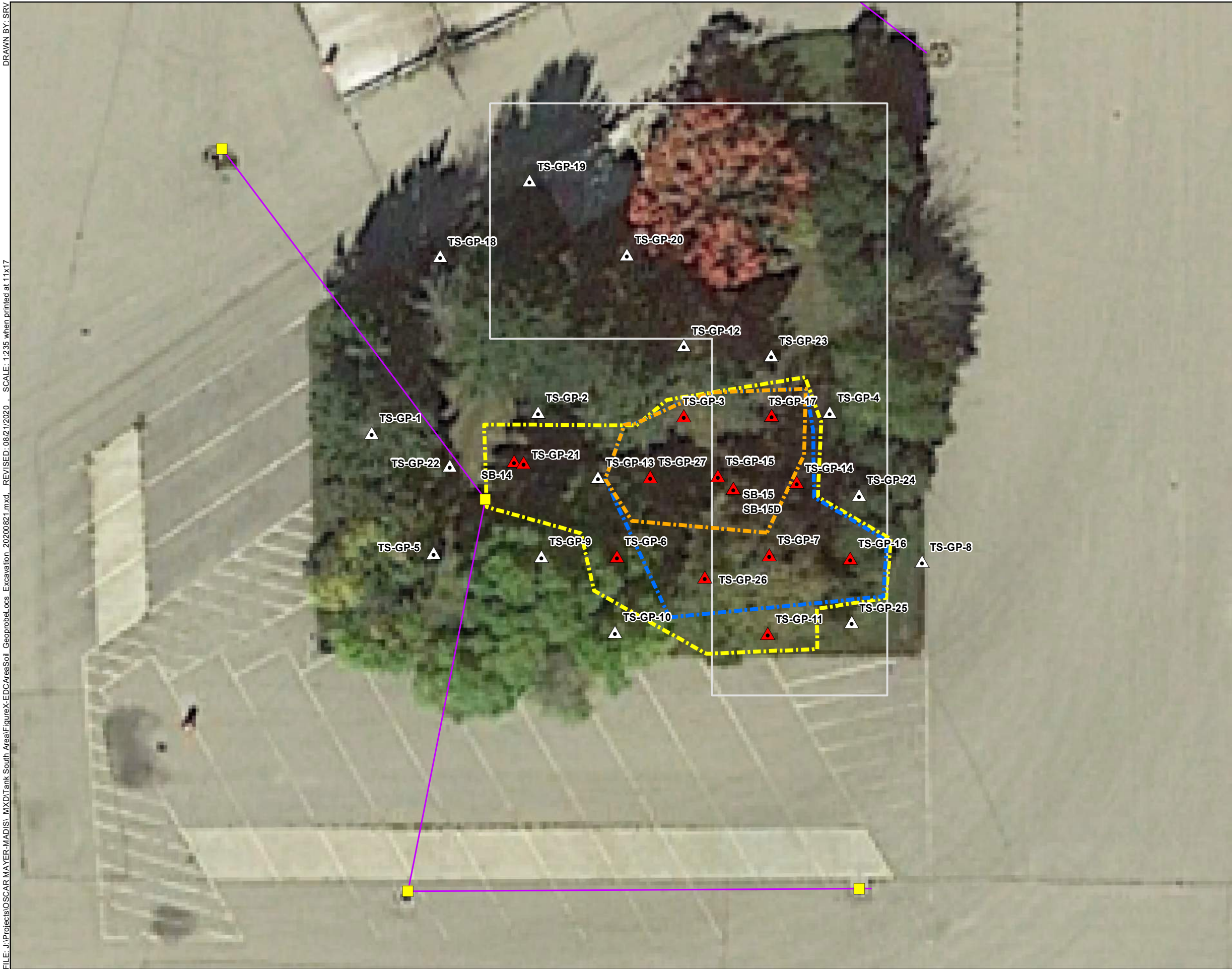


- Legend**
- Monitoring Well Location
  - Vertical Aquifer Sample (VAS)
  - Electrical Utilities (Approximate)
  - Historical Site Feature

Notes:  
1. Google Earth, 10/3/2018

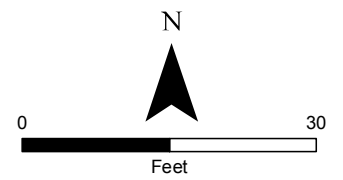


**Figure 2**  
**EDC Area VAS Locations**  
**Tank South Area**  
910 Mayer LLC  
910 Oscar Avenue  
Madison, Wisconsin

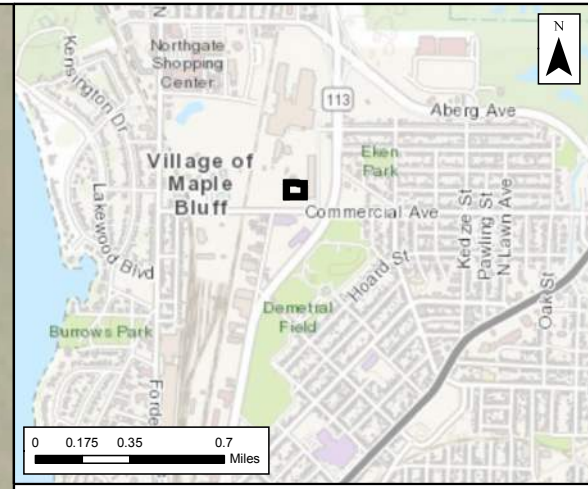
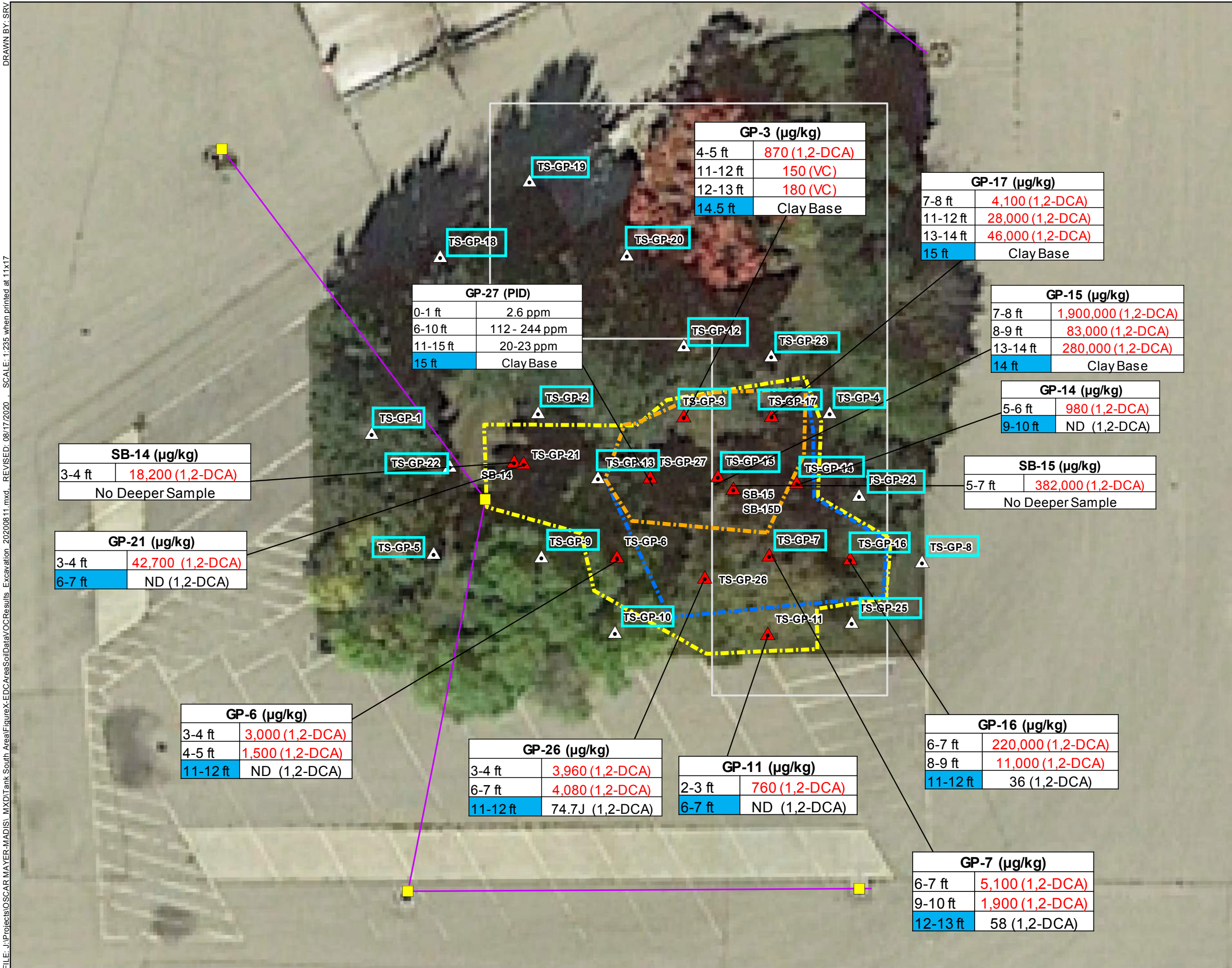


- Legend**
- 2020 Geoprobe Boring Location No Exceeds
  - Geoprobe Boring Location to be Remediated
  - Stormwater Drain
  - Storm Sewer Line (Approximate)
  - Historical Site Feature
  - 0-5 Ft. Remediation Area
  - 5-10 Ft. Remediation Area
  - 10-14 Ft. Remediation Area

Notes:  
1. Google Earth, 10/3/2018



**Figure 3**  
**EDC Area Soil Geoprobe Boring Locations**  
**Tank South Area**  
910 Mayer LLC  
910 Oscar Avenue  
Madison, Wisconsin

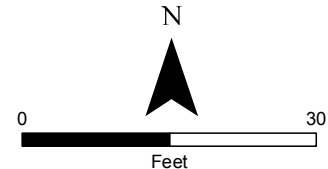


**Legend**

- ▲ 2020 Geoprobe Boring Location No Exceeds
- ▲ Geoprobe Boring Location to be Remediated
- Stormwater Drain
- Storm Sewer Line (Approximate)
- Historical Site Feature
- ▭ 0-5 Ft. Remediation Area
- ▭ 10-14 Ft. Remediation Area
- ▭ 5-10 Ft. Remediation Area
- Location with vadose soil sample below NIDC criteria
- Maximum Excavation Depth
- 5-7 ft = Sample Depth
- 1,2-DCA = 1,2-Dichloroethane
- VC = Vinyl Chloride
- ND = Not Detected

**Notes:**

1. Red Concentration - Exceeds Wisconsin Non-Industrial Direct Contact (NIDC) criteria - To be excavated
2. Some samples with shown NIDC criteria exceedances had other parameters with NIDC exceedances-See Table for details
3. Sample depths and concentrations are not shown for samples without NIDC criteria exceedance - See Table for details
4. Google Earth, 10/3/2018



**Figure 4**  
**EDC Area Soil VOC Data Results**  
**Tank South Area**  
 910 Mayer LLC  
 910 Oscar Avenue  
 Madison, Wisconsin

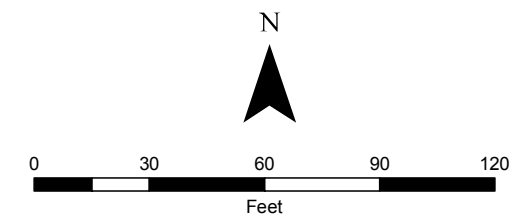
Environmental Resources Management  
 www.erm.com



- Legend**
- ◆ Monitoring Well Location
  - ⊗ Vertical Aquifer Sample (VAS)
  - Electrical Utilities (Approximate)
  - Historical Site Feature

14-19 ft = Screen Sample Depth  
 1,2-DCA = 1,2-Dichloroethane

Notes:  
 1. **Red Concentration** - Exceeds Wisconsin Chapter NR140 Enforcement Standard (ES) - To be remediated  
 2. Additional parameters with NR 140 ES exceedances are not shown - See Table for details  
 3. Google Earth, 10/3/2018



**Figure 5**  
**EDC Area Groundwater VOC Data Results**  
 Tank South Area  
 910 Mayer LLC  
 910 Oscar Avenue  
 Madison, Wisconsin  
 Environmental Resources Management  
 www.erm.com

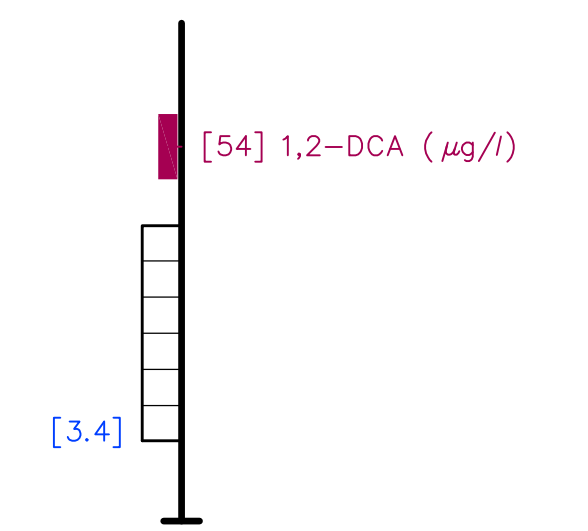
LEGEND

-  SAND/FILL/SANDY LOAM/GRAVEL
-  ORGANIC PEAT
-  SAND (VERY FINE-FINE, COARSE IN THE UPPER 10')
-  SILTY SAND/SANDY SILT
-  SILT
-  CLAY
-  SANDSTONE





MONITORING WELL

VAS VERTICAL AQUIFER SAMPLING LOCATION  
1,2-DCA IN MICROGRAMS PER LITER ( $\mu\text{g/l}$ )

SCREEN INTERVAL  
1,2-DCA IN MICROGRAMS PER LITER ( $\mu\text{g/l}$ )

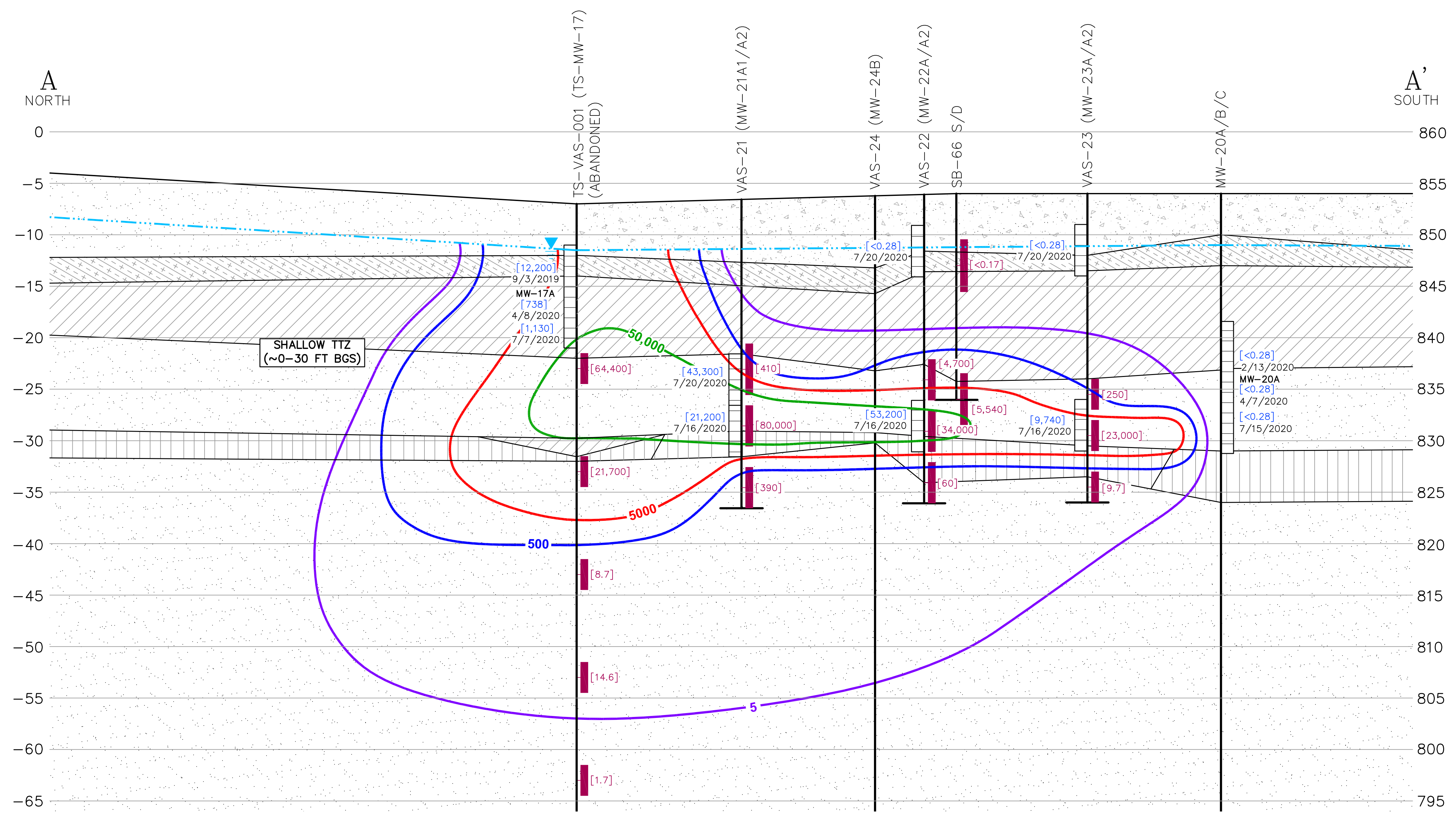
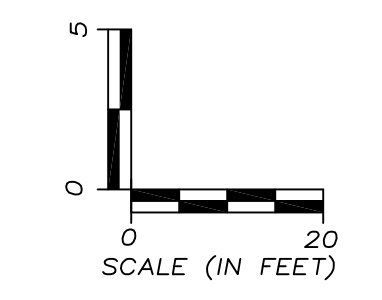



GROUNDWATER ELEVATION 

-  5 5 1,2-DCA,  $\mu\text{g/l}$
-  500 500 1,2-DCA,  $\mu\text{g/l}$
-  5000 5000 1,2-DCA,  $\mu\text{g/l}$
-  50,000 50,000 1,2-DCA,  $\mu\text{g/l}$

NOTES:

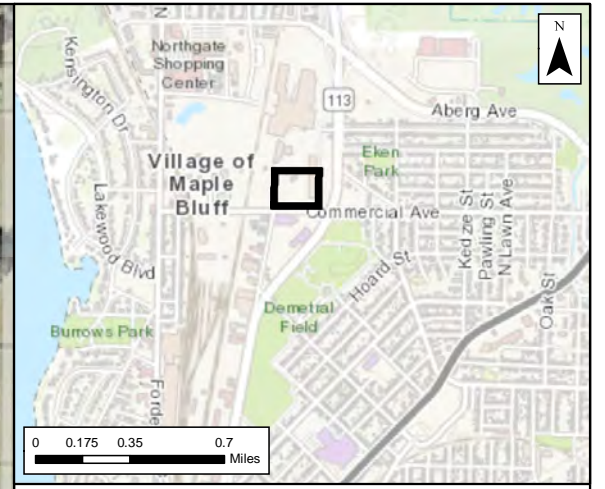
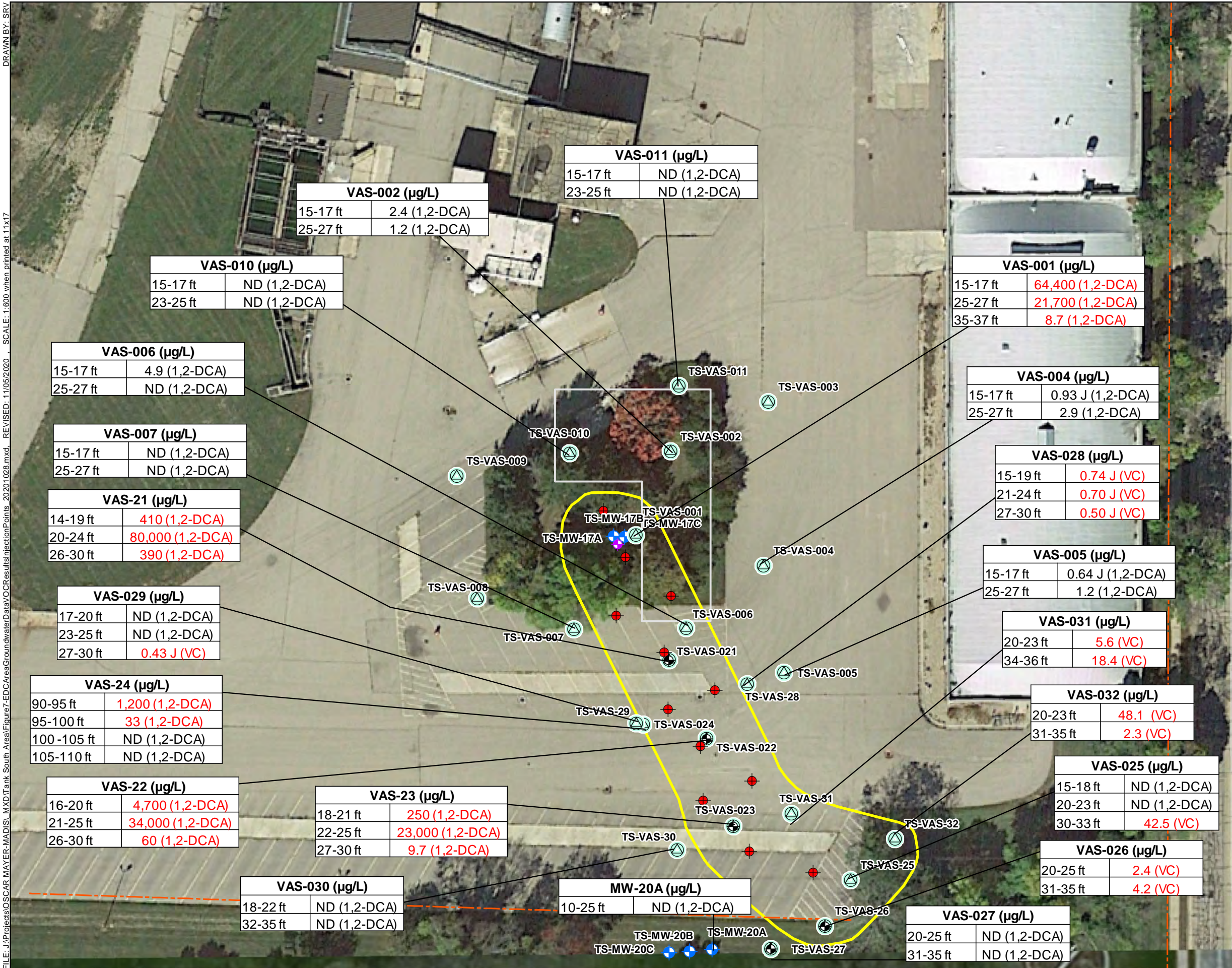
- TS-VAS-001 - SAMPLES COLLECTED BETWEEN 4/15/2019 & 4/23/2019
- TS-MW-19 (VAS) - SAMPLES COLLECTED BETWEEN 8/20/2019 & 8/21/2019
- SB-66S/D - SAMPLES COLLECTED 9/11/2017
- TS-VAS-021 THROUGH 024 - SAMPLES COLLECTED BETWEEN 6/30/2020 & 7/1/2020
- MONITORING WELLS MW-21 THROUGH MW-24 NOT SAMPLED YET



				<b>910 MAYER LLC</b> 910 MAYER AVENUE MADISON, WISCONSIN							
Rev.		Date		Description		By		Chk			
DRAWN BY		FAK		CADD Review		FG		CHECKED BY		PMS	
Environmental Resources Management				SCALE AS NOTED		PROJECT NUMBER 0441161		SHEET FIGURE 6		REV.	
				DATE DRAWN 8/26/20							

C:\TwinCity\Chm\4910\_Mayer\910Mayer\910Mayer.dwg, XSECTION.A4, FIG 06, 8/26/2020 8:58:47 AM, FAK - Holland, MI





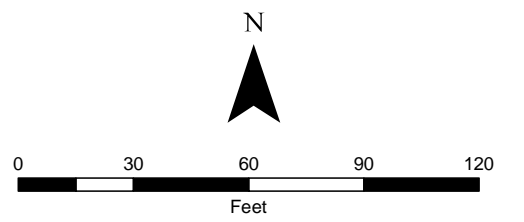
**Legend**

- ◆ Permanent Injection Wells
- ◆ Existing Performance Monitoring Wells
- ◆ New Performance Monitoring Wells
- ◆ Monitoring Well Location
- Vertical Aquifer Sample
- Electrical Utilities (Approximate)
- Historical Site Feature
- Approximate Shallow VOC Plume Boundary

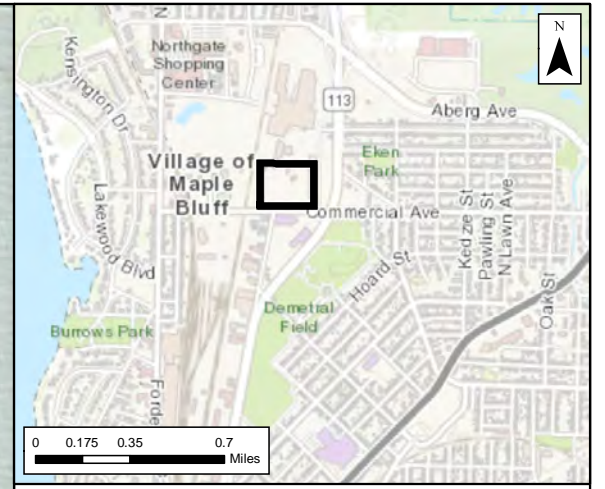
14-19 ft = Screen Sample Depth  
 1,2-DCA = 1,2-Dichloroethane

**Notes:**

1. **Red Concentration** - Exceeds Wisconsin Chapter NR140 Enforcement Standard (ES) - To be remediated
2. Additional parameters with NR 140 ES exceedances are not shown - See Table for details
3. Google Earth, 10/3/2018



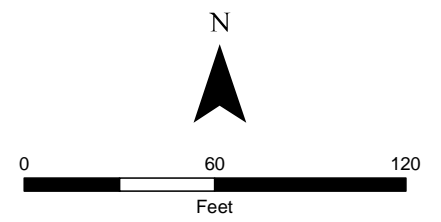
**Figure 7**  
**EDC Area Groundwater VOC Data Results**  
**Tank South Area**  
 910 Mayer LLC  
 910 Oscar Avenue  
 Madison, Wisconsin  
 Environmental Resources Management  
 www.erm.com



**Legend**

- ◆ Monitoring Well Location to be Reinstalled
- ◆ Monitoring Well Location
- Historical Site Feature

Notes:  
 1. Google Earth, 10/3/2018  
 2. MW-21, MW-22 and MW-23 are double well clusters in different "shallow" zones. Screen with highest VAS VOC concentration will be used for performance monitoring



**Figure 8**  
**EDC Area Proposed**  
**Monitoring Well Network**  
**Tank South Area**  
 910 Mayer LLC  
 910 Oscar Avenue  
 Madison, Wisconsin























TABLE 1 - Soil Sample Analysis - Volatile Organic Compounds

BRRTS # 02-13-580721

Former Ethylene Dichloride ASTs Area - 910 Mayer Facility

910 Oscar Avenue Madison, WI 53704

Analyte	Unit	Location ID			TS-GP-26	TS-GP-26	TS-GP-26
		WI_INDUSTRIAL_NTE D-C_RCL	WI_NON-INDUSTRIAL_NTE D-C_RCL	WI_NR140_SOT OGW_2DF	Sample Date 22 Jul 2020 N 6 - 7 ft	Sample Date 22 Jul 2020 N 11 - 12 ft	Sample Date 22 Jul 2020 N 13 - 14 ft
1,1,1,2-Tetrachloroethane	ug/kg	12300	2780	53.41	< 25.0	< 25.0	< 25.0
1,1,1-Trichloroethane	ug/kg	640000	640000	140.20	< 25.0	< 25.0	< 25.0
1,1,2,2-Tetrachloroethane	ug/kg	3600	810	0.156	< 25.0	< 25.0	< 25.0
1,1,2-trichloro-1,2,2-trifluoroethane	ug/kg	910000	910000	NS	NA	NA	NA
1,1,2-Trichloroethane	ug/kg	7010	1590	3.240	< 25.0	< 25.0	< 25.0
1,1-Dichloroethane	ug/kg	22200	5060	483.42	< 25.0	< 25.0	< 25.0
1,1-Dichloroethene	ug/kg	1190000	320000	5.020	< 25.0	< 25.0	< 25.0
1,1-Dichloropropene	ug/kg	NS	NS	NS	< 25.0	< 25.0	< 25.0
1,2,3-Trichlorobenzene	ug/kg	934000	62600	NS	< 47.3	< 47.3	< 47.3
1,2,3-Trichloropropane	ug/kg	109	5.1	51.91	< 37.4	< 37.4	< 37.4
1,2,4-Trichlorobenzene	ug/kg	113000	24000	408.00	< 41.7	< 41.7	< 41.7
1,2,4-Trimethylbenzene	ug/kg	219000	219000	NS	< 25.0	< 25.0	< 25.0
1,2-Dibromo-3-chloropropane	ug/kg	92	7.5	0.173	< 237	< 237	< 237
1,2-Dichlorobenzene	ug/kg	376000	376000	1170	< 25.0	< 25.0	< 25.0
1,2-Dichloroethane	ug/kg	2870	652	2.840	4080	74.7 J	< 25.0
1,2-Dichloropropane	ug/kg	15000	3400	3.320	< 25.0	< 25.0	< 25.0
1,3,5-Trimethylbenzene	ug/kg	182000	182000	NS	< 25.0	< 25.0	< 25.0
1,3-Dichlorobenzene	ug/kg	297000	297000	1150	< 25.0	< 25.0	< 25.0
1,3-Dichloropropane	ug/kg	1490000	1490000	NS	< 25.0	< 25.0	< 25.0
1,4-Dichlorobenzene	ug/kg	16400	3740	144.00	< 25.0	< 25.0	< 25.0
2,2-Dichloropropane	ug/kg	191000	191000	NS	< 25.0	< 25.0	< 25.0
2-Butanone	ug/kg	28,400,000	28400000	1670	NA	NA	NA
2-Hexanone	ug/kg	1760000	237000	NS	NA	NA	NA
4-Chlorotoluene	ug/kg	253000	253000	NS	< 25.0	< 25.0	< 25.0
4-Isopropyltoluene	ug/kg	162000	162000	NS	< 25.0	< 25.0	< 25.0
4-Methyl-2-pentanone	ug/kg	3360000	3360000	225.24	NA	NA	NA
Acetone	ug/kg	100000000	63400000	3680	NA	NA	NA
Benzene	ug/kg	7070	1600	5.120	< 25.0	< 25.0	< 25.0
Bromobenzene	ug/kg	679000	342000	NS	< 25.0	< 25.0	< 25.0
Bromodichloromethane	ug/kg	1830	418	0.326	< 25.0	< 25.0	< 25.0
Bromoform	ug/kg	113000	25400	2.332	< 25.0	< 25.0	< 25.0
Carbon disulfide	ug/kg	738000	738000	591.86	NA	NA	NA
Carbon tetrachloride	ug/kg	4030	916	3.880	< 25.0	< 25.0	< 25.0
Chlorobenzene	ug/kg	761000	370000	135.80	< 25.0	< 25.0	< 25.0
Chlorobromomethane	ug/kg	906000	216000	NS	< 25.0	< 25.0	< 25.0
Chloroethane	ug/kg	2120000	2120000	226.60	< 46.4	< 46.4	< 46.4
Chloroform	ug/kg	1980	454	3.330	< 47.5	< 47.5	< 47.5
cis-1,2-Dichloroethene	ug/kg	2340000	156000	41.20	< 25.0	< 25.0	< 25.0
cis-1,3-Dichloropropene	ug/kg	1210000	1210000	NS	< 42.3	< 42.3	< 42.3
Dibromochloromethane	ug/kg	38900	8280	31.95	< 229	< 229	< 229
Dibromomethane	ug/kg	143000	34000	NS	< 25.0	< 25.0	< 25.0
Dichlorodifluoromethane (Freon 12)	ug/kg	530000	126000	3090	< 25.0	< 25.0	< 25.0
Ethylbenzene	ug/kg	35400	8020	1570	< 25.0	< 25.0	< 25.0
Ethylene dibromide	ug/kg	221	50	0.028	< 25.0	< 25.0	< 25.0
Hexachlorobutadiene	ug/kg	7190	1630	NS	< 68.7	< 68.7	< 68.7
Isopropyl ether	ug/kg	2260000	2260000	NS	186 J	< 25.0	< 25.0
Isopropylbenzene (Cumene)	ug/kg	268000	268000	NS	< 25.0	< 25.0	< 25.0
m,p-Xylenes	ug/kg	NS	NS	NS	< 50.0	< 50.0	< 50.0
Methyl bromide	ug/kg	43000	9600	5.060	< 63.8	< 63.8	< 63.8
Methyl chloride	ug/kg	669000	159000	15.51	< 25.0	< 25.0	< 25.0
Methyl tert-butyl ether	ug/kg	282000	63800	27.02	< 25.0	< 25.0	< 25.0
Methylene chloride	ug/kg	1150000	61800	2.560	< 26.3	< 26.3	< 26.3
Naphthalene	ug/kg	24100	5520	658.18	< 27.3	< 27.3	< 27.3
n-Butylbenzene	ug/kg	108000	108000	NS	< 30.0	< 30.0	< 30.0
n-Propylbenzene	ug/kg	264000	264000	NS	< 25.0	< 25.0	< 25.0
o-Chlorotoluene (2-chlorotoluene)	ug/kg	907000	907000	NS	< 25.0	< 25.0	< 25.0
o-Xylene	ug/kg	434000	434000	NS	< 25.0	< 25.0	< 25.0
sec-Butylbenzene	ug/kg	145000	145000	NS	< 25.0	< 25.0	< 25.0
Styrene	ug/kg	867000	867000	220.00	< 25.0	< 25.0	< 25.0
tert-Butylbenzene	ug/kg	183000	183000	NS	< 25.0	< 25.0	< 25.0
Tetrachloroethene	ug/kg	145000	33000	4.540	< 38.7	< 38.7	< 38.7
Tetrahydrofuran	ug/kg	100000000	23300000	22.19	NA	NA	NA
Toluene	ug/kg	818000	818000	1110	< 25.0	< 25.0	< 25.0
trans-1,2-Dichloroethene	ug/kg	1850000	1560000	62.60	< 25.0	< 25.0	< 25.0
trans-1,3-Dichloropropene	ug/kg	1510000	1510000	NS	< 25.0	< 25.0	< 25.0
Trichloroethene	ug/kg	8410	1300	3.580	< 25.0	< 25.0	< 25.0
Trichlorofluoromethane (Freon 11)	ug/kg	1230000	1230000	4480	< 25.0	< 25.0	< 25.0
Vinyl chloride	ug/kg	2080	67	0.138	< 25.0	< 25.0	< 25.0

Notes:

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

NA = Not analyzed

NS = No Standard

Units are in µg/kg = micrograms per kilogram

ft = feet

Non detect are reported on a wet weight basis

Qualifiers - Organic:

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value (PACE)

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M1 = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample. All analyses performed by PACE.

Bold values exceed the Wisconsin Industrial Not to Exceed Direct Contact (IDC) criteria  
 Orange Shaded Box values exceed the Wisconsin Non-Industrial Not to Exceed Direct Contact (NIDC) criteria  
 Italicised values exceed the Wisconsin NR 140 Soil to Groundwater Screening Levels (2DF) May 2017











**TABLE 2 - Vertical Aquifer Sample - VOC Groundwater Analysis**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL	Location ID	TS-VAS-31	TS-VAS-31	TS-VAS-32	TS-VAS-32
				Sample Date	23 Jul 2020	23 Jul 2020	23 Jul 2020	23 Jul 2020
				Depth	20 - 23 ft	34 - 36 ft	20 - 23 ft	31 - 35 ft
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	
1,1,2-trichloro-1,2,2-trifluoroethane (TCE)	ug/L	NS	NS	NA	NA	NA	NA	
1,1,2-Trichloroethane	ug/L	5	0.5	< 0.55	< 0.55	< 0.55	< 0.55	
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	< 0.27	
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 2.2	< 2.2	< 2.2	
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	
<b>1,2-Dichloroethane</b>	ug/L	<b>5</b>	<u>0.5</u>	<u>0.53 J</u>	<u>0.91 J</u>	< 0.28	0.43 J	
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	
2-Butanone	ug/L	4000	800	NA	NA	NA	NA	
2-Hexanone	ug/L	NS	NS	NA	NA	NA	NA	
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	
4-Methyl-2-pentanone	ug/L	500	50	NA	NA	NA	NA	
Acetone	ug/L	9000	1800	NA	NA	NA	NA	
<b>Benzene</b>	ug/L	<b>5</b>	<u>0.5</u>	0.39 J	<u>0.83 J</u>	< 0.25	<u>0.60 J</u>	
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	
Bromodichloromethane	ug/L	0.6	<u>0.06</u>	< 0.36	< 0.36	< 0.36	< 0.36	
Bromoform	ug/L	4.4	0.44	< 4.0	< 4.0	< 4.0	< 4.0	
Carbon disulfide	ug/L	1000	200	NA	NA	NA	NA	
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 1.1	< 1.1	< 1.1	
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	
Chloroform	ug/L	6	0.6	< 1.3	< 1.3	< 1.3	< 1.3	
<b>cis-1,2-Dichloroethene</b>	ug/L	<b>70</b>	<u>7</u>	<b>1.8</b>	<b>4.1</b>	<u>7.7</u>	<b>1.0</b>	
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	
Ethylbenzene	ug/L	700	140	< 0.32	< 0.32	< 0.32	< 0.32	
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 1.5	< 1.5	< 1.5	
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 1.7	< 1.7	< 1.7	
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	
Methyl chloride	ug/L	30	3	< 2.2	< 2.2	< 2.2	< 2.2	
Methyl tert-butyl ether	ug/L	60	12	< 1.2	<b>7.7</b>	< 1.2	<b>5.5</b>	
<b>Methylene chloride</b>	ug/L	<b>5</b>	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	
Styrene	ug/L	100	10	< 3.0	< 3.0	< 3.0	< 3.0	
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	
Tetrachloroethene	ug/L	5	0.5	< 0.33	< 0.33	< 0.33	< 0.33	
Tetrahydrofuran	ug/L	50	10	NA	NA	NA	NA	
Toluene	ug/L	800	160	< 0.27	< 0.27	< 0.27	0.30 J	
trans-1,2-Dichloroethene	ug/L	100	20	<b>6.1</b>	1.2 J	<b>2.7</b>	0.76 J	
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	
<b>Trichloroethene</b>	ug/L	<b>5</b>	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	
<b>Vinyl chloride</b>	ug/L	<b>0.2</b>	<u>0.02</u>	<u>5.6</u>	<u>18.4</u>	<u>48.1</u>	<u>2.3</u>	

Notes:

- 5** Orange Shaded Box with Bold values exceed the WAC Chapter NR140 Groundwater Enforcement Standard (ES)
- 0.5 Underlined values exceed the WAC Chapter NR140 Groundwater Preventive Action Limit (PAL)
- Yellow Shaded Box for parameters and locations that exceed the NR 140 ES
- < = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown.
- NS = No Standard
- Units are in µg/L = micrograms per liter
- ft = feet
- D = Data reported from a dilution
- J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
- All analyses performed by ECCS Nationwide Mobile Laboratories.

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-17A	TS-MW-17A	TS-MW-17A	TS-MW-17A	TS-MW-17B
		Sample Date		09 May 2019	03 Sep 2019	08 Apr 2020	30 Jun 2020	10 May 2019
		Sample Type		N	N	N	N	N
		Screen Interval		4 - 14 ft	4 - 14 ft	4 - 14 ft	4 - 14 ft	93 - 98 ft
		Lab Sample ID		40187476018	40194484004	40205943003	40210424001	40187476020
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 1.3	< 5.4	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 1.2	< 4.9	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 1.4	< 5.5	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	<b>0.68 J</b>	< 0.55	< 2.8	< 11.0	<b>2.0 J</b>
1,1-Dichloroethane	ug/L	850	85	< 0.27	<b>0.45 J</b>	< 1.4	< 5.5	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	<b>0.69 J</b>	< 1.2	< 4.9	<b>0.43 J</b>
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 2.7	< 10.8	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 11.1	< 44.2	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 3.0	< 11.8	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 4.8	< 19.0	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 4.2	< 16.8	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 8.8	< 35.3	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 3.5	< 14.1	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	<b>8,240</b>	<b>12,200</b>	<b>738 M1</b>	<b>1,130</b>	<b>5,550</b>
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 1.4	< 5.7	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 4.4	< 17.5	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 3.1	< 12.6	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 4.1	< 16.5	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 4.7	< 18.9	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 11.3	< 45.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 3.8	< 15.1	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 4.0	< 16.0	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	<b>1.6</b>	< 0.25	< 1.2	< 4.9	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 1.2	< 4.8	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 0.36	< 0.36	< 1.8	< 7.3	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 19.9	< 79.4	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 0.17	< 5.4	< 21.5	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 3.6	< 14.2	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 1.8	< 7.2	< 0.36
Chloroethane	ug/L	400	80	< 1.3	<b>2.3 J</b>	< 6.7	< 26.8	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 6.4	< 25.5	< 1.3
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	<b>1.3</b>	<b>3.7</b>	< 1.4	< 5.4	<b>0.50 J</b>
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 18.1	< 72.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 13.0	< 52.0	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 4.7	< 18.7	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 2.5	< 10	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.22	< 1.6	< 6.4	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 4.1	< 16.6	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 7.3	< 29.3	< 1.2
Isopropyl ether	ug/L	NS	NS	<b>9.7</b>	< 1.9	< 9.4	< 37.8	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 8.4	< 33.7	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 2.3	< 9.3	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 4.9	< 19.4	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	<b>2.5 J</b>	< 10.9	< 43.8	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 6.2	< 24.9	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 2.9	< 11.6	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 5.9	< 23.5	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 3.5	< 14.2	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 4.1	< 16.2	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 4.6	< 18.5	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 1.3	< 5.2	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 4.2	< 17.0	< 0.85
Styrene	ug/L	100	10	< 0.47	< 0.47	< 15.0	< 60.2	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 1.5	< 6.1	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	<b>0.56 J</b>	<b>1.5</b>	< 1.6	< 6.5	< 0.33
Toluene	ug/L	800	160	< 0.17	<b>0.53 J</b>	< 1.3	< 5.4	< 0.17
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 1.1	< 2.3	< 9.3	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 21.9	< 87.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	<b>1.7</b>	<b>4.8</b>	< 1.3	< 5.1	<b>0.75 J</b>
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 1.1	< 4.3	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	<b>13.5</b>	<b>25.6</b>	<b>5.4</b>	<b>9.6 J</b>	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-17B	TS-MW-17B	TS-MW-17B	TS-MW-17B	TS-MW-17C
		Sample Date		03 Sep 2019	03 Sep 2019	09 Apr 2020	30 Jun 2020	10 May 2019
		Sample Type		N	FD	N	N	N
		Screen Interval		93 - 98 ft	93 - 98 ft	93 - 98 ft	93 - 98 ft	250 - 255 ft
		Lab Sample ID		40194484005	40194484006	40206092002	40210424002	40187476019
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 13.5	< 13.5	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 12.2	< 12.2	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 13.8	< 13.8	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	<b>2.2 J</b>	<b>1.9 J</b>	< 27.6	< 27.6	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 13.6	< 13.6	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 12.2	< 12.2	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 27.0	< 27.0	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 111	< 111	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 29.5	< 29.5	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 47.6	< 47.6	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 42.0	< 42.0	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 88.2	< 88.2	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 35.3	< 35.3	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	<b>6,790</b>	<b>6,600</b>	<b>5,650</b>	<b>5,300</b>	<b>30.3</b>
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 14.1	< 14.1	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 43.7	< 43.7	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 31.4	< 31.4	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 41.3	< 41.3	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 47.2	< 47.2	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 113	< 113	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 37.8	< 37.8	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 40.0	< 40.0	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 0.25	< 0.25	< 12.3	< 12.3	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 12.1	< 12.1	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 0.36	< 0.36	< 18.2	< 18.2	<b>2.2</b>
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 199	< 199	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 0.17	< 53.8	< 53.8	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 35.5	< 35.5	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 18.1	< 18.1	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 67.1	< 67.1	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 63.7	< 63.7	<b>2.2 J</b>
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	<b>0.50 J</b>	<b>0.40 J</b>	< 13.6	< 13.6	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 181	< 181	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 130	< 130	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 46.8	< 46.8	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 25.0	< 25.0	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.22	< 15.9	< 15.9	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 41.5	< 41.5	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 73.1	< 73.1	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 94.4	< 94.4	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 84.3	< 84.3	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 23.3	< 23.3	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 48.6	< 48.6	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	<b>3.5 J</b>	< 2.2	< 109	< 109	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 62.3	< 62.3	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 29.0	< 29.0	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 58.8	< 58.8	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 35.4	< 35.4	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 40.5	< 40.5	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 46.3	< 46.3	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 13.1	< 13.1	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 42.4	< 42.4	< 0.85
Styrene	ug/L	100	10	< 0.47	< 0.47	< 150	< 150	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 15.2	< 15.2	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 16.3	< 16.3	< 0.33
Toluene	ug/L	800	160	< 0.17	< 0.17	< 13.5	< 13.5	< 0.17
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 1.1	< 23.2	< 23.2	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 219	< 219	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	<b>1.0</b>	<b>0.87 J</b>	< 12.8	< 12.8	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 10.7	< 10.7	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	< 0.17	<b>0.23 J</b>	< 8.7	< 8.7	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-17C	TS-MW-17C	TS-MW-18	TS-MW-18	TS-MW-18
		Sample Date		03 Sep 2019	09 Apr 2020	21 Aug 2019	21 Aug 2019	21 Aug 2019
		Sample Type		N	N	N	N	N
		Screen Interval		250 - 255 ft	250 - 255 ft	25 - 27 ft	35 - 37 ft	45 - 47 ft
		Lab Sample ID		40194484007	40206092003	40193441001	40193441002	40193441003
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 2.2	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	5	<u>0.5</u>	<b>11.7</b>	<b>0.29 J</b>	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	5	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	0.6	<u>0.06</u>	< 0.36	< 0.36	<b>3.6</b>	< 0.36	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	<b>4.3 J</b>	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 1.1	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	<b>3.1 J</b>	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	70	<u>7</u>	<b>0.45 J</b>	<b>0.43 J</b>	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	<b>3.7 J</b>	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.32	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.5	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 1.7	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	< 2.2	< 2.2	<b>2.3 J</b>	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 0.47	< 3.0	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.17 ,HS	< 0.27	<b>1.7 J</b>	<b>1.8 J</b>	<b>0.70 J</b>
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 0.46	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	5	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	0.2	<u>0.02</u>	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-18	TS-MW-18	TS-MW-18	TS-MW-18	TS-MW-18
		Sample Date		21 Aug 2019	21 Aug 2019	22 Aug 2019	22 Aug 2019	22 Aug 2019
		Sample Type		N	N	N	N	N
		Screen Interval		55 - 57 ft	65 - 67 ft	75 - 77 ft	85 - 87 ft	95 - 97 ft
		Lab Sample ID		40193441004	40193441005	40193556001	40193556002	40193556003
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	5	<u>0.5</u>	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	5	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	0.6	<u>0.06</u>	<b>0.38 J</b>	<b>0.64 J</b>	<b>2.6</b>	< 0.36	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	<b>2.7 J</b>	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	70	<u>7</u>	< 0.27	< 0.27	< 0.27	<b>2.7</b>	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	<b>2.3 J</b>	<b>4.1 J</b>	<b>3.3 J</b>	<b>3.3 J</b>
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	<b>0.31 J</b>	< 0.17	<b>0.69 J</b>	< 0.17	< 0.17
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	5	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	0.2	<u>0.02</u>	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Analyte	Unit	Location ID		TS-MW-18	TS-MW-18	TS-MW-18	TS-MW-18	TS-MW-18A
		WI_NR 140_ES	WI_NR 140_PAL	22 Aug 2019 N 105 - 107 ft 40193556004	22 Aug 2019 N 115 - 117 ft 40193556005	22 Aug 2019 N 125 - 127 ft 40193556006	22 Aug 2019 N 135 - 137 ft 40193556007	29 Aug 2019 N 10 - 25 ft 40194148006
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	5	<u>0.5</u>	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	5	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	0.6	<u>0.06</u>	< 0.36	< 0.36	< 0.36	<b>0.70 J</b>	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	70	<u>7</u>	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	<b>3.5 J</b>	<b>2.9 J</b>	<b>4.1 J</b>	<b>2.5 J</b>	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.17	< 0.17	< 0.17	<b>1.5 J</b>	< 0.17
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	5	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	0.2	<u>0.02</u>	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter  
ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Analyte	Unit	Location ID		TS-MW-18A	TS-MW-18A	TS-MW-18B	TS-MW-18B	TS-MW-18B
		WI_NR 140_ES	WI_NR 140_PAL	07 Apr 2020 N 10 - 25 ft 40205872003	15 Jul 2020 N 10 - 25 ft 40211375007	29 Aug 2019 N 95 - 100 ft 40194148004	08 Apr 2020 N 95 - 100 ft 40205943001	08 Apr 2020 FD 95 - 100 ft 40205943005
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 2.2	< 0.63	< 2.2	< 2.2
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	5	<u>0.5</u>	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	5	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	0.6	<u>0.06</u>	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 1.1	< 0.17	< 1.1	< 1.1
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	70	<u>7</u>	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.32	< 0.32	< 0.22	< 0.32 ,L1,M0	< 0.32 ,L1
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 1.5	< 1.2	< 1.5	< 1.5
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 1.7	< 0.39	< 1.7	< 1.7
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 3.0	< 3.0	< 0.47	< 3.0	< 3.0
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.27	< 0.27	<b>0.21 J</b>	< 0.27	< 0.27
trans-1,2-Dichloroethene	ug/L	100	20	< 0.46	< 0.46	< 1.1	< 0.46	< 0.46
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	5	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	0.2	<u>0.02</u>	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)



**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-18B	TS-MW-19	TS-MW-19	TS-MW-19	TS-MW-19
		Sample Date		15 Jul 2020	20 Aug 2019	20 Aug 2019	20 Aug 2019	20 Aug 2019
		Sample Type		N	N	N	N	N
		Screen Interval		95 - 100 ft	35 - 37 ft	45 - 47 ft	55 - 57 ft	65 - 67 ft
		Lab Sample ID		40211375008	40193371001	40193371002	40193371003	40193371004
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	<b>1.9</b>	<b>8.6</b>
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	<b>0.26 J</b>
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 0.36	<b>0.57 J</b>	< 0.36	<b>2.9</b>	<b>2.7</b>
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	<b>4.0 J</b>	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 1.3	<b>2.7 J</b>	<b>2.5 J</b>
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	< 0.27	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	NA	NA	NA	NA
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	<b>2.9 J</b>	<b>2.7 J</b>
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.32	< 0.22	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 0.39	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	NA	NA	NA	NA
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	<b>3.2 J</b>	<b>4.1 J</b>	<b>3.4 J</b>	<b>3.8 J</b>
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 3.0	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.27	<b>0.33 J</b>	< 0.17	<b>0.21 J</b>	<b>0.32 J</b>
trans-1,2-Dichloroethene	ug/L	100	20	< 0.46	< 1.1	< 1.1	<b>1.9 J</b>	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	< 0.26	<b>0.62 J</b>	<b>0.65 J</b>	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	< 0.17	<b>0.48 J</b>	<b>1.1</b>	<b>0.77 J</b>	<b>0.36 J</b>
Xylene, Total	ug/L	2000	400	NA	< 1.5	< 1.5	< 1.5	< 1.5

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Analyte	Unit	Location ID		TS-MW-19	TS-MW-19	TS-MW-19	TS-MW-19	TS-MW-19
		WI_NR 140_ES	WI_NR 140_PAL	20 Aug 2019 FD 65 - 67 ft 40193405003	20 Aug 2019 N 75 - 77 ft 40193371005	20 Aug 2019 N 85 - 87 ft 40193371006	20 Aug 2019 N 95 - 97 ft 40193371007	20 Aug 2019 N 105 - 107 ft 40193371008
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	<b>8.6</b>	<b>19.9</b>	<b>0.94 J</b>	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	<b>0.26 J</b>	<b>0.56 J</b>	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	< 0.28	< 0.28	<b>6.8</b>	< 0.28	<b>1.6</b>
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	<b>2.5</b>	<b>0.80 J</b>	< 0.36	<b>3.2</b>	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	<b>2.4 J</b>	< 1.3	< 1.3	<b>2.6 J</b>	< 1.3
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	<b>14.3</b>	NA	NA	NA	NA
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	NA	NA	NA	NA
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	<b>3.1 J</b>	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	NA	NA	NA	NA
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	<b>4.5 J</b>	< 2.2	<b>4.6 J</b>	< 2.2	<b>3.7 J</b>
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	NA	NA	NA	NA
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	<b>0.26 J</b>	< 0.17	< 0.17	<b>2.0 J</b>	<b>0.17 J</b>
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	<b>0.42 J</b>	<b>0.73 J</b>	< 0.17	< 0.17	< 0.17
Xylene, Total	ug/L	2000	400	NA	< 1.5	< 1.5	< 1.5	< 1.5

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-19	TS-MW-19	TS-MW-19	TS-MW-19	TS-MW-19A
		Sample Date		20 Aug 2019	21 Aug 2019	21 Aug 2019	21 Aug 2019	03 Sep 2019
		Sample Type		N	N	N	N	N
		Screen Interval		115 - 117 ft	125 - 127 ft	135 - 137 ft	146 - 148 ft	10 - 25 ft
		Lab Sample ID		40193371009	40193442001	40193442002	40193442003	40194484003
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 0.27	< 0.27	< 0.27	<b>1.8</b>
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 0.24	< 0.24	< 0.24	<b>0.29 J</b>
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	<b>3.3</b>	<b>1.2 J</b>	< 0.36	<b>0.45 J</b>	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	<b>4.1 J</b>	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	<b>3.2 J</b>	<b>1.5 J</b>	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	NA	< 0.27	< 0.27	< 0.27	<b>41.0</b>
cis-1,3-Dichloropropene	ug/L	NS	0.04	NA	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	<b>3.2 J</b>	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 0.39	< 0.39	< 0.39	< 0.39	< 0.39
m,p-Xylenes	ug/L	NS	NS	NA	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	<b>3.0 J</b>	<b>3.2 J</b>	<b>4.0 J</b>	<b>2.7 J</b>	<b>4.1 J</b>
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	NA	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	<b>0.57 J</b>	<b>0.28 J</b>	<b>0.31 J</b>	<b>1.4 J</b>	<b>0.21 J</b>
trans-1,2-Dichloroethene	ug/L	100	20	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	< 0.17	< 0.17	< 0.17	< 0.17	<b>2.1</b>
Xylene, Total	ug/L	2000	400	< 1.5	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-19A	TS-MW-19A	TS-MW-19B	TS-MW-19B	TS-MW-19B
		Sample Date		07 Apr 2020	17 Jul 2020	03 Sep 2019	08 Apr 2020	17 Jul 2020
		Sample Type		N	N	N	N	N
		Screen Interval		10 - 25 ft	10 - 25 ft	82 - 87 ft	82 - 87 ft	82 - 87 ft
		Lab Sample ID		40205872007	40211380002	40194484002	40205943006	40211380003
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	<b>4.0</b>	<b>3.6</b>	<b>7.5</b>	<b>10.2</b>	<b>10.3</b>
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	<b>0.65 J</b>	<b>0.46 J</b>	< 0.24	<b>0.58 J</b>	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 2.2	< 0.63	< 2.2	< 2.2
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	< 0.28	< 0.28	<b>5.8</b>	<b>5.2</b>	<b>6.6</b>
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 1.1	< 0.17	< 1.1	< 1.1
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	<b>148</b>	<b>141</b>	<b>6.3</b>	<b>8.1</b>	<b>8.3</b>
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.32	< 0.32	< 0.22	< 0.32 ,L1	< 0.32
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 1.5	< 1.2	< 1.5	< 1.5
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 1.7	< 0.39	< 1.7	< 1.7
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 3.0	< 3.0	< 0.47	< 3.0	< 3.0
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.27	< 0.27	<b>0.22 J</b>	< 0.27	< 0.27
trans-1,2-Dichloroethene	ug/L	100	20	<b>1.5 J</b>	<b>1.4 J</b>	< 1.1	<b>0.67 J</b>	< 0.46
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	<b>7.8</b>	<b>5.8</b>	< 0.17	<b>0.60 J</b>	<b>0.33 J</b>
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-19B	TS-MW-20A	TS-MW-20A	TS-MW-20A	TS-MW-20B
		Sample Date		17 Jul 2020	13 Feb 2020	07 Apr 2020	15 Jul 2020	13 Feb 2020
		Sample Type		FD	N	N	N	N
		Screen Interval		82 - 87 ft	10 - 25 ft	10 - 25 ft	10 - 25 ft	90 - 100 ft
		Lab Sample ID		40211380005	40203425003	40205872004	40211375006	40203425001
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	<b>9.4</b>	< 0.27	< 0.27	< 0.27	<b>0.32 J</b>
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	<b>0.30 J</b>	< 0.24	< 0.24	< 0.24	<b>0.92 J</b>
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 0.63	< 2.2	< 2.2	< 0.63
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	<b>6.0</b>	< 0.28	< 0.28	< 0.28	<b>3.2</b>
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 0.25	< 0.25	< 0.25	< 0.25	<b>0.43 J</b>
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 0.17	< 1.1	< 1.1	< 0.17
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	<b>8.0</b>	< 0.27	< 0.27	< 0.27	<b>6.3</b>
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.32	< 0.22	< 0.32	< 0.32	< 0.22
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 1.2	< 1.5	< 1.5	< 1.2
Isopropyl ether	ug/L	NS	NS	< 1.9	<b>2.7 J</b>	<b>2.5 J</b>	<b>2.7 J</b>	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 0.39	< 1.7	< 1.7	< 0.39
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 3.0	< 0.47	< 3.0	< 3.0	< 0.47
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.27	< 0.17	< 0.27	< 0.27	<b>1.5 J</b>
trans-1,2-Dichloroethene	ug/L	100	20	< 0.46	< 1.1	< 0.46	< 0.46	<b>1.4 J</b>
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	< 0.26	< 0.26	< 0.26	< 0.26	<b>2.5</b>
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	<b>0.30 J</b>	< 0.17	< 0.17	< 0.17	<b>7.0</b>
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-20B	TS-MW-20B	TS-MW-20C	TS-MW-20C	TS-MW-20C
		Sample Date		08 Apr 2020	17 Jul 2020	21 Feb 2020	09 Apr 2020	15 Jul 2020
		Sample Type		N	N	N	N	N
		Screen Interval		90 - 100 ft	90 - 100 ft	160 - 165 ft	160 - 165 ft	160 - 165 ft
		Lab Sample ID		40205943004	40211380004	40203702002	40206092001	40211375005
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	<b>0.41 J</b>	< 0.27	< 0.27	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	<b>1.0</b>	<b>0.97 J</b>	< 0.24	< 0.24	< 0.24
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 0.59	< 0.59	< 0.59	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 0.95	< 0.95	< 0.95	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 0.84	< 0.84	< 0.84	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 1.8	< 1.8	< 1.8	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	<b>2.7</b>	<b>4.1</b>	< 0.28	< 0.28	< 0.28
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 0.87	< 0.87	< 0.87	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 2.3	< 2.3	< 2.3	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 0.76	< 0.76	< 0.76	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80
Benzene	ug/L	<b>5</b>	<u>0.5</u>	<b>0.41 J</b>	<b>0.46 J</b>	< 0.25	< 0.25	< 0.25
Bromobenzene	ug/L	NS	NS	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 1.1	< 1.6	< 1.1	< 1.1
Chlorobenzene	ug/L	100	20	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	<b>4.9</b>	<b>5.3</b>	< 0.27	< 0.27	< 0.27
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 0.94	< 0.94	< 0.94	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	ug/L	700	140	< 0.32 ,L1	< 0.32	<b>0.38 J</b>	< 0.32	< 0.32
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 0.83	< 0.83	< 0.83	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5
Isopropyl ether	ug/L	NS	NS	< 1.9	< 1.9	< 1.9	< 1.9	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
Naphthalene	ug/L	100	10	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 0.81	< 0.81	< 0.81	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 0.93	< 0.93	< 0.93	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85
Styrene	ug/L	100	10	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
Toluene	ug/L	800	160	< 0.27	< 0.27	<b>2.0</b>	< 0.27	<b>0.28 J</b>
trans-1,2-Dichloroethene	ug/L	100	20	<b>1.8</b>	<b>1.7</b>	< 1.1	< 0.46	< 0.46
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	<b>3.4</b>	<b>3.5</b>	< 0.26	< 0.26	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	<b>1.3</b>	<b>1.5</b>	< 0.17	< 0.17	< 0.17
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in ug/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-21A1	TS-MW-21A2	TS-MW-21A2	TS-MW-22A	TS-MW-22A2
		Sample Date		20 Jul 2020	16 Jul 2020	16 Jul 2020	20 Jul 2020	16 Jul 2020
		Sample Type		N	N	FD	N	N
		Screen Interval		15 - 20 ft	20 - 25 ft	20 - 25 ft	3 - 8 ft	20 - 25 ft
		Lab Sample ID		40211440003	40211375011	40211375013	40211440002	40211375010
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL					
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 53.8	< 6.7	< 0.27	< 0.27	< 6.7
1,1,1-Trichloroethane	ug/L	200	40	< 49.0	< 6.1	< 0.24	< 0.24	< 6.1
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 55.1	< 6.9	< 0.28	< 0.28	< 6.9
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 110	< 13.8	< 0.55	< 0.55	< 13.8
1,1-Dichloroethane	ug/L	850	85	< 54.5	< 6.8	<b>1.5</b>	< 0.27	< 6.8
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 49.0	< 6.1	<u>1.2</u>	< 0.24	< 6.1
1,1-Dichloropropene	ug/L	NS	NS	< 108	< 13.5	< 0.54	< 0.54	< 13.5
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 442	< 55.3	< 2.2	< 2.2	< 55.3
1,2,3-Trichloropropane	ug/L	60	12	< 118	< 14.8	< 0.59	< 0.59	< 14.8
1,2,4-Trichlorobenzene	ug/L	70	14	< 190	< 23.8	< 0.95	< 0.95	< 23.8
1,2,4-Trimethylbenzene	ug/L	480	96	< 168	< 21.0	< 0.84	< 0.84	< 21.0
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 353	< 44.1	< 1.8	< 1.8	< 44.1
1,2-Dichlorobenzene	ug/L	600	60	< 141	< 17.6	< 0.71	< 0.71	< 17.6
1,2-Dichloroethane	ug/L	<b>5</b>	<u>0.5</u>	<b>43,300</b>	<b>21,200</b>	<b>21,600</b>	< 0.28	<b>53,200</b>
1,2-Dichloropropane	ug/L	5	0.5	< 56.6	< 7.1	< 0.28	< 0.28	< 7.1
1,3,5-Trimethylbenzene	ug/L	480	96	< 175	< 21.8	< 0.87	< 0.87	< 21.8
1,3-Dichlorobenzene	ug/L	600	120	< 126	< 15.7	< 0.63	< 0.63	< 15.7
1,3-Dichloropropane	ug/L	NS	NS	< 165	< 20.6	< 0.83	< 0.83	< 20.6
1,4-Dichlorobenzene	ug/L	75	15	< 189	< 23.6	< 0.94	< 0.94	< 23.6
2,2-Dichloropropane	ug/L	NS	NS	< 453	< 56.6	< 2.3	< 2.3	< 56.6
4-Chlorotoluene	ug/L	NS	NS	< 151	< 18.9	< 0.76	< 0.76	< 18.9
4-Isopropyltoluene	ug/L	NS	NS	< 160	< 20.0	< 0.80	< 0.80	< 20.0
Benzene	ug/L	<b>5</b>	<u>0.5</u>	< 49.3	< 6.2	<b>5.6</b>	< 0.25	<b>9.1 J</b>
Bromobenzene	ug/L	NS	NS	< 48.2	< 6.0	< 0.24	< 0.24	< 6.0
Bromodichloromethane	ug/L	<b>0.6</b>	<u>0.06</u>	< 72.7	< 9.1	< 0.36	< 0.36	< 9.1
Bromoform	ug/L	4.4	<u>0.44</u>	< 794	< 99.3	< 4.0	< 4.0	< 99.3
Carbon tetrachloride	ug/L	5	0.5	< 215	< 26.9	< 1.1	< 1.1	< 26.9
Chlorobenzene	ug/L	100	20	< 142	< 17.8	< 0.71	< 0.71	< 17.8
Chlorobromomethane	ug/L	NS	NS	< 72.4	< 9.1	< 0.36	< 0.36	< 9.1
Chloroethane	ug/L	400	80	< 268	< 33.6	<b>12.5</b>	< 1.3	< 33.6
Chloroform	ug/L	6	<u>0.6</u>	< 255	< 31.8	< 1.3	< 1.3	< 31.8
cis-1,2-Dichloroethene	ug/L	<b>70</b>	<u>7</u>	< 54.2	< 6.8	<b>9.3</b>	< 0.27	<b>15.9 J</b>
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 726	< 90.7	< 3.6	< 3.6	< 90.7
Dibromochloromethane	ug/L	60	6	< 520	< 65.0	< 2.6	< 2.6	< 65.0
Dibromomethane	ug/L	NS	NS	< 187	< 23.4	< 0.94	< 0.94	< 23.4
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 99.9	< 12.5	< 0.50	< 0.50	< 12.5
Ethylbenzene	ug/L	700	140	< 63.7	< 8.0	< 0.32	< 0.32	< 8.0
Ethylene dibromide	ug/L	0.05	0.005	< 166	< 20.7	< 0.83	< 0.83	< 20.7
Hexachlorobutadiene	ug/L	NS	NS	< 293	< 36.6	< 1.5	< 1.5	< 36.6
Isopropyl ether	ug/L	NS	NS	< 378	< 47.2	<b>22.5</b>	< 1.9	< 47.2
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 337	< 42.2	< 1.7	< 1.7	< 42.2
m,p-Xylenes	ug/L	NS	NS	< 93.1	< 11.6	< 0.47	< 0.47	< 11.6
Methyl bromide	ug/L	10	1	< 194	< 24.3	< 0.97	< 0.97	< 24.3
Methyl chloride	ug/L	30	<u>3</u>	< 438	< 54.7	< 2.2	< 2.2	< 54.7
Methyl tert-butyl ether	ug/L	60	12	< 249	< 31.1	< 1.2	< 1.2	< 31.1
Methylene chloride	ug/L	5	<u>0.5</u>	< 116	< 14.5	<b>1.0 J</b>	< 0.58	< 14.5
Naphthalene	ug/L	100	10	< 235	< 29.4	< 1.2	< 1.2	< 29.4
n-Butylbenzene	ug/L	NS	NS	< 142	< 17.7	< 0.71	< 0.71	< 17.7
n-Propylbenzene	ug/L	NS	NS	< 162	< 20.3	< 0.81	< 0.81	< 20.3
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 185	< 23.2	< 0.93	< 0.93	< 23.2
o-Xylene	ug/L	NS	NS	< 52.4	< 6.5	< 0.26	< 0.26	< 6.5
sec-Butylbenzene	ug/L	NS	NS	< 170	< 21.2	< 0.85	< 0.85	< 21.2
Styrene	ug/L	100	10	< 602	< 75.2	< 3.0	< 3.0	< 75.2
tert-Butylbenzene	ug/L	NS	NS	< 60.8	< 7.6	< 0.30	< 0.30	< 7.6
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 65.3	< 8.2	< 0.33	< 0.33	< 8.2
Toluene	ug/L	800	160	< 53.9	< 6.7	<b>0.85 J</b>	< 0.27	< 6.7
trans-1,2-Dichloroethene	ug/L	100	20	< 92.8	< 11.6	<b>2.0</b>	< 0.46	< 11.6
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 874	< 109	< 4.4	< 4.4	< 109
Trichloroethene	ug/L	<b>5</b>	<u>0.5</u>	< 51.0	< 6.4	<b>4.2</b>	< 0.26	<b>10.5 J</b>
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 43.0	< 5.4	< 0.21	< 0.21	< 5.4
Vinyl chloride	ug/L	<b>0.2</b>	<u>0.02</u>	<b>265</b>	<b>52.1</b>	<b>58.9</b>	< 0.17	<b>181</b>
Xylene, Total	ug/L	2000	400	NA	NA	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)

**TABLE 3 - Monitoring Well - VOC Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

		Location ID		TS-MW-23A	TS-MW-23A2	TS-MW-24B
		Sample Date		20 Jul 2020	16 Jul 2020	16 Jul 2020
		Sample Type		N	N	N
		Screen Interval		3 - 8 ft	20 - 25 ft	90 - 95 ft
		Lab Sample ID		40211440001	40211375009	40211375012
Analyte	Unit	WI_NR 140_ES	WI_NR 140_PAL			
1,1,1,2-Tetrachloroethane	ug/L	70	7	< 0.27	< 6.7	< 0.27
1,1,1-Trichloroethane	ug/L	200	40	< 0.24	< 6.1	< 0.24
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	< 0.28	< 6.9	< 0.28
1,1,2-Trichloroethane	ug/L	5	<u>0.5</u>	< 0.55	< 13.8	< 0.55
1,1-Dichloroethane	ug/L	850	85	< 0.27	< 6.8	< 0.27
1,1-Dichloroethene	ug/L	7	<u>0.7</u>	< 0.24	< 6.1	<b>0.78 J</b>
1,1-Dichloropropene	ug/L	NS	NS	< 0.54	< 13.5	< 0.54
1,2,3-Trichlorobenzene	ug/L	NS	NS	< 2.2	< 55.3	< 2.2
1,2,3-Trichloropropane	ug/L	60	12	< 0.59	< 14.8	< 0.59
1,2,4-Trichlorobenzene	ug/L	70	14	< 0.95	< 23.8	< 0.95
1,2,4-Trimethylbenzene	ug/L	480	96	< 0.84	< 21.0	< 0.84
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	< 1.8	< 44.1	< 1.8
1,2-Dichlorobenzene	ug/L	600	60	< 0.71	< 17.6	< 0.71
1,2-Dichloroethane	ug/L	5	<u>0.5</u>	< 0.28	<b>9,740</b>	<b>5.8</b>
1,2-Dichloropropane	ug/L	5	0.5	< 0.28	< 7.1	< 0.28
1,3,5-Trimethylbenzene	ug/L	480	96	< 0.87	< 21.8	< 0.87
1,3-Dichlorobenzene	ug/L	600	120	< 0.63	< 15.7	< 0.63
1,3-Dichloropropane	ug/L	NS	NS	< 0.83	< 20.6	< 0.83
1,4-Dichlorobenzene	ug/L	75	15	< 0.94	< 23.6	< 0.94
2,2-Dichloropropane	ug/L	NS	NS	< 2.3	< 56.6	< 2.3
4-Chlorotoluene	ug/L	NS	NS	< 0.76	< 18.9	< 0.76
4-Isopropyltoluene	ug/L	NS	NS	< 0.80	< 20.0	< 0.80
Benzene	ug/L	5	<u>0.5</u>	< 0.25	< 6.2	<b>0.44 J</b>
Bromobenzene	ug/L	NS	NS	< 0.24	< 6.0	< 0.24
Bromodichloromethane	ug/L	0.6	<u>0.06</u>	< 0.36	< 9.1	< 0.36
Bromoform	ug/L	4.4	<u>0.44</u>	< 4.0	< 99.3	< 4.0
Carbon tetrachloride	ug/L	5	0.5	< 1.1	< 26.9	< 1.1
Chlorobenzene	ug/L	100	20	< 0.71	< 17.8	< 0.71
Chlorobromomethane	ug/L	NS	NS	< 0.36	< 9.1	< 0.36
Chloroethane	ug/L	400	80	< 1.3	< 33.6	< 1.3
Chloroform	ug/L	6	<u>0.6</u>	< 1.3	< 31.8	< 1.3
cis-1,2-Dichloroethene	ug/L	70	<u>7</u>	< 0.27	<b>7.6 J</b>	<b>10.2</b>
cis-1,3-Dichloropropene	ug/L	NS	0.04	< 3.6	< 90.7	< 3.6
Dibromochloromethane	ug/L	60	6	< 2.6	< 65.0	< 2.6
Dibromomethane	ug/L	NS	NS	< 0.94	< 23.4	< 0.94
Dichlorodifluoromethane (Freon 12)	ug/L	1000	200	< 0.50	< 12.5	< 0.50
Ethylbenzene	ug/L	700	140	< 0.32	< 8.0	< 0.32
Ethylene dibromide	ug/L	0.05	0.005	< 0.83	< 20.7	< 0.83
Hexachlorobutadiene	ug/L	NS	NS	< 1.5	< 36.6	< 1.5
Isopropyl ether	ug/L	NS	NS	< 1.9	< 47.2	< 1.9
Isopropylbenzene (Cumene)	ug/L	NS	NS	< 1.7	< 42.2	< 1.7
m,p-Xylenes	ug/L	NS	NS	< 0.47	< 11.6	< 0.47
Methyl bromide	ug/L	10	1	< 0.97	< 24.3	< 0.97
Methyl chloride	ug/L	30	<u>3</u>	< 2.2	< 54.7	< 2.2
Methyl tert-butyl ether	ug/L	60	12	< 1.2	< 31.1	< 1.2
Methylene chloride	ug/L	5	<u>0.5</u>	< 0.58	< 14.5	< 0.58
Naphthalene	ug/L	100	10	<b>3.0 J</b>	< 29.4	< 1.2
n-Butylbenzene	ug/L	NS	NS	< 0.71	< 17.7	< 0.71
n-Propylbenzene	ug/L	NS	NS	< 0.81	< 20.3	< 0.81
o-Chlorotoluene (2-chlorotoluene)	ug/L	NS	NS	< 0.93	< 23.2	< 0.93
o-Xylene	ug/L	NS	NS	< 0.26	< 6.5	< 0.26
sec-Butylbenzene	ug/L	NS	NS	< 0.85	< 21.2	< 0.85
Styrene	ug/L	100	10	< 3.0	< 75.2	< 3.0
tert-Butylbenzene	ug/L	NS	NS	< 0.30	< 7.6	< 0.30
Tetrachloroethene	ug/L	5	<u>0.5</u>	< 0.33	< 8.2	< 0.33
Toluene	ug/L	800	160	< 0.27	< 6.7	< 0.27
trans-1,2-Dichloroethene	ug/L	100	20	< 0.46	< 11.6	< 0.46
trans-1,3-Dichloropropene	ug/L	0.4	0.04	< 4.4	< 109	< 4.4
Trichloroethene	ug/L	5	<u>0.5</u>	< 0.26	< 6.4	< 0.26
Trichlorofluoromethane (Freon 11)	ug/L	3490	698	< 0.21	< 5.4	< 0.21
Vinyl chloride	ug/L	0.2	<u>0.02</u>	< 0.17	<b>56.1</b>	<b>22.7</b>
Xylene, Total	ug/L	2000	400	NA	NA	NA

**Notes:**

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

BOLD values are detects

NA = Not analyzed

NS = No Standard

Units are in µg/L = micrograms per liter

ft = feet

**Qualifiers:**

D = Data reported from a dilution

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

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

MO = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Orange Shaded Box values exceed the Chapter NR140 Enforcement Standard (ES)

Underlined values exceed the Chapter NR140 Preventive Action Limit (PAL)



**TABLE 4 - Monitoring Well - Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Location ID	TS-MW-17A	TS-MW-17A	TS-MW-17B	TS-MW-17B	TS-MW-17C	TS-MW-19A	TS-MW-19B	
Sample Date	08 Apr 2020	30 Jun 2020	09 Apr 2020	30 Jun 2020	09 Apr 2020	07 Apr 2020	08 Apr 2020	
Sample Type	N	N	N	N	N	N	N	
Screen Interval	-	-	-	-	-	-	-	
Sample ID	TS-MW-17A-WG-20200408	TS-MW-17A-20200630	TS-MW-17B-WG-20200409	TS-MW-17B-20200630	TS-MW-17C-WG-20200409	TS-MW-19A-WG-20200407	TS-MW-19B-WG-20200408	
Analyte	Unit							
<b>2540C</b>								
Dissolved Solids, Total	mg/L	1350	1130	5470	6130 H5	650	1330	2460
<b>EPA 300.0</b>								
Nitrate (NO3)	mg/L	< 0.044	< 0.044	< 0.044 ,H1	< 0.044	< 0.044 ,H1	< 0.044	< 0.044
Sulfate	mg/L	52.4	33.1	174	191	77.6	322	604
<b>EPA 6010</b>								
Iron, Dissolved	ug/L	6760	6250	3270	3570	3970	1480	1860
Iron	ug/L	6790	6590	3400	4010	4180	1600	1780
Manganese, Dissolved	ug/L	347	303	71.2	45.4	174	176	176
Manganese	ug/L	358	321	77.3	77.6	185	180	172
<b>EPA 9060</b>								
Mean Total Organic Carbon	mg/L	2.2	7.7	1.0 C4	1.6	1.0	3.7	1.8
Organic Carbon (b), Total	mg/L	2.2	7.7	1.0	1.6	1.0	3.7	1.9
Organic Carbon (c), Total	mg/L	2.2	7.8	1.0	1.6	0.99	3.6	1.8
Organic Carbon (d), Total	mg/L	2.2	7.8	0.99	1.6	1.0	3.6	1.8
Organic Carbon, Total	mg/L	2.2	7.8	1.0	1.7	1.0	3.9	1.8
<b>SM 2320B</b>								
Alkalinity, Total as CaCO3	mg/L	638	617	349	339	355	278	447
Bicarbonate Alkalinity as CaCO3	mg/L	638	617	349	339	355	278	447
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
<b>SW8468015BM</b>								
Ethane	ug/L	348	397	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Ethene	ug/L	6060	8210	1.5 J	< 1.2	< 1.2	< 1.2	< 1.2
Methane	ug/L	696	278	81.0	31.9 M1 R1	51.4	84.6	25.3

Notes:

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).  
 Empty cells = Not analyzed  
 mg/L = milligrams per liter  
 ug/L = micrograms per liter

Qualifiers - Organic:

C4 = Sample container did not meet EPA or method requirements.  
 H5 = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).  
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value (PACE)  
 M1 = Matrix spike recovery was high, but the LCS recovery was acceptable  
 R1 = RPD exceeded the method acceptance limit  
 D9 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H5 = This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time  
 D3 = Sample dilution required due to insufficient sample  
 H1 = Sample analysis was performed past holding time

**TABLE 4 - Monitoring Well - Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

	Location ID	TS-MW-19B	TS-MW-19B	TS-MW-20A	TS-MW-20B	TS-MW-20B	TS-MW-20B	TS-MW-20C
	Sample Date	17 Jul 2020	20 Jul 2020	07 Apr 2020	08 Apr 2020	17 Jul 2020	20 Jul 2020	09 Apr 2020
	Sample Type	N	N	N	N	N	N	N
	Screen Interval	-	-	-	-	-	-	-
	Sample ID	TS-MW-19B-WG-20200717	TS-MW-19B-WG-20200720	TS-MW-20A-WG-20200407	TS-MW-20B-WG-20200408	TS-MW-20B-WG-20200717	TS-MW-20B-WG-20200720	TS-MW-20C-WG-20200409
Analyte	Unit							
<b>2540C</b>								
Dissolved Solids, Total	mg/L	2560	NS	2180	5080	5200	NS	970
<b>EPA 300.0</b>								
Nitrate (NO3)	mg/L	NS	< 0.22 ,D3	1.2	0.052 J	NS	< 0.044	< 0.22 ,H1,D3
Sulfate	mg/L	634	NS	2.1	155	175	NS	2.7 J,D3
<b>EPA 6010</b>								
Iron, Dissolved	ug/L	2380	NS	1450	6940	7220	NS	86.5 J
Iron	ug/L	2420	NS	1820	7070	7240	NS	239000
Manganese, Dissolved	ug/L	128	NS	633	118	48.1	NS	11.3
Manganese	ug/L	137	NS	618	132	50.7	NS	10300
<b>EPA 9060</b>								
Mean Total Organic Carbon	mg/L	3.0	NS	11.1	1.3	3.6	NS	23.8
Organic Carbon (b), Total	mg/L	3.0	NS	11.1	1.2	3.3	NS	24.1
Organic Carbon (c), Total	mg/L	2.9	NS	11.1	1.3	3.8	NS	23.7
Organic Carbon (d), Total	mg/L	3.0	NS	11.4	1.3	3.7	NS	23.6
Organic Carbon, Total	mg/L	3.0	NS	10.9	1.3	3.8	NS	23.8
<b>SM 2320B</b>								
Alkalinity, Total as CaCO3	mg/L	440	NS	737	495	486	NS	379
Bicarbonate Alkalinity as CaCO3	mg/L	440	NS	737	495	486	NS	366
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NS	< 5.0	< 5.0	< 5.0	NS	12.4
<b>SW8468015BM</b>								
Ethane	ug/L	< 1.2	NS	26.6	7.7	5.2 J	NS	5.0 J,HS
Ethene	ug/L	< 1.2	NS	< 1.2	7.4	< 1.2	NS	< 1.2 ,HS
Methane	ug/L	16.3	NS	1870	49.8	34.9	NS	10900 HS

Notes:

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).  
Empty cells = Not analyzed  
mg/L = milligrams per liter  
ug/L = micrograms per liter

Qualifiers - Organic:

C4 = Sample container did not meet EPA or method requirements.  
HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).  
J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value (PACE)  
M1 = Matrix spike recovery was high, but the LCS recovery was acceptable  
R1 = RPD exceeded the method acceptance limit  
D9 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H5 = This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time  
D3 = Sample dilution required due to insufficient sample  
H1 = Sample analysis was performed past holding time

**TABLE 4 - Monitoring Well - Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Location ID	TS-MW-21A1	TS-MW-21A2	TS-MW-21A2	TS-MW-22A	TS-MW-22A2	TS-MW-22A2	TS-MW-23A	
Sample Date	20 Jul 2020	16 Jul 2020	20 Jul 2020	20 Jul 2020	16 Jul 2020	20 Jul 2020	20 Jul 2020	
Sample Type	N	N	N	N	N	N	N	
Screen Interval	-	-	-	-	-	-	-	
Sample ID	TS-MW-21A-WG-20200720	TS-MW-21A2-WG-20200716	TS-MW-21A2-WG-20200720	TS-MW-22A-WG-20200720	TS-MW-22A2-WG-20200716	TS-MW-22A2-WG-20200720	TS-MW-23A-WG-20200720	
Analyte	Unit							
<b>2540C</b>								
Dissolved Solids, Total	mg/L	2510	2680	NS	978	2830	NS	1250
<b>EPA 300.0</b>								
Nitrate (NO3)	mg/L	< 0.22 ,D3	NS	< 0.22 ,D3	< 0.22 ,D3	NS	< 0.22 ,D3	< 0.22 ,D3
Sulfate	mg/L	8.3 J,D3	4.2 J,D3	NS	4.2 J,D3	10.5	NS	23.8
<b>EPA 6010</b>								
Iron, Dissolved	ug/L	37000	31000 D9	NS	10300	41000 D9	NS	5530
Iron	ug/L	37400	30200	NS	10400	40100	NS	6400
Manganese, Dissolved	ug/L	447 D9	378	NS	103 D9	445	NS	177
Manganese	ug/L	434	394	NS	101	459	NS	178
<b>EPA 9060</b>								
Mean Total Organic Carbon	mg/L	11.5	11.5	NS	11.8	11.0	NS	13.9
Organic Carbon (b), Total	mg/L	11.3	11.3	NS	11.7	10.9	NS	14.0
Organic Carbon (c), Total	mg/L	11.8	11.3	NS	11.8	11.1	NS	14.0
Organic Carbon (d), Total	mg/L	11.1	12.2	NS	11.8	11.3	NS	14.2
Organic Carbon, Total	mg/L	11.6	11.2	NS	11.7	10.6	NS	13.4
<b>SM 2320B</b>								
Alkalinity, Total as CaCO3	mg/L	531	494	NS	389	485	NS	461
Bicarbonate Alkalinity as CaCO3	mg/L	531	494	NS	389	485	NS	461
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	< 5.0	NS	< 5.0	< 5.0	NS	< 5.0
<b>SW8468015BM</b>								
Ethane	ug/L	7.4	995	NS	< 1.2	1180	NS	< 1.2
Ethene	ug/L	86.7	22800	NS	< 1.2	27500	NS	< 1.2
Methane	ug/L	19.6	3880	NS	6380	3650	NS	1300

Notes:

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).  
 Empty cells = Not analyzed  
 mg/L = milligrams per liter  
 ug/L = micrograms per liter

Qualifiers - Organic:

C4 = Sample container did not meet EPA or method requirements.  
 HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).  
 J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value (PACE)  
 M1 = Matrix spike recovery was high, but the LCS recovery was acceptable  
 R1 = RPD exceeded the method acceptance limit  
 D9 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H5 = This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time  
 D3 = Sample dilution required due to insufficient sample  
 H1 = Sample analysis was performed past holding time

**TABLE 4 - Monitoring Well - Groundwater Analysis**  
**BRRTS # 02-13-580721**  
**Former Ethylene Dichloride ASTs Area - 910 Mayer Facility**  
**910 Oscar Avenue Madison, WI 53704**

Location ID		TS-MW-23A2	TS-MW-23A2	TS-MW-24B	TS-MW-24B
Sample Date		16 Jul 2020	20 Jul 2020	16 Jul 2020	20 Jul 2020
Sample Type		N	N	N	N
Screen Interval		-	-	-	-
Sample ID		TS-MW-23A2-WG-20200716	TS-MW-23A2-WG-20200720	TS-MW-24B-WG-20200716	TS-MW-24B-WG-20200720
Analyte	Unit				
<b>2540C</b>					
Dissolved Solids, Total	mg/L	2610	NS	3740	NS
<b>EPA 300.0</b>					
Nitrate (NO3)	mg/L	NS	< 0.22 ,D3	NS	< 0.22 ,D3
Sulfate	mg/L	4.4 J,D3	NS	86.3	NS
<b>EPA 6010</b>					
Iron, Dissolved	ug/L	33000	NS	4180	NS
Iron	ug/L	33000	NS	4400	NS
Manganese, Dissolved	ug/L	310	NS	573	NS
Manganese	ug/L	322	NS	610	NS
<b>EPA 9060</b>					
Mean Total Organic Carbon	mg/L	10.8	NS	4.0	NS
Organic Carbon (b), Total	mg/L	10.7	NS	4.0	NS
Organic Carbon (c), Total	mg/L	10.9	NS	3.9	NS
Organic Carbon (d), Total	mg/L	10.6	NS	3.9	NS
Organic Carbon, Total	mg/L	11.0	NS	4.1	NS
<b>SM 2320B</b>					
Alkalinity, Total as CaCO3	mg/L	503	NS	330	NS
Bicarbonate Alkalinity as CaCO3	mg/L	503	NS	330	NS
Carbonate Alkalinity as CaCO3	mg/L	< 5.0	NS	< 5.0	NS
<b>SW8468015BM</b>					
Ethane	ug/L	2970	NS	151	NS
Ethene	ug/L	21900	NS	6070	NS
Methane	ug/L	5460	NS	571	NS

Notes:

< = Compound not detected at concentrations above the laboratory method detection limit. The laboratory method detection limit is shown. If the method detection limit is not available, the reporting detection limit is shown (RDL).

Empty cells = Not analyzed

mg/L = milligrams per liter

ug/L = micrograms per liter

Qualifiers - Organic:

C4 = Sample container did not meet EPA or method requirements.

HS = Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value (PACE)

M1 = Matrix spike recovery was high, but the LCS recovery was acceptable

R1 = RPD exceeded the method acceptance limit

D9 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

H5 = This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time

D3 = Sample dilution required due to insufficient sample

H1 = Sample analysis was performed past holding time

---

**APPENDIX A      SOIL BORING LOGS AND WELL CONSTRUCTION LOGS**



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-01**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/29/2020  
FINISH 06/29/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft  
DEPTH TO WATER (FINAL)

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil, organics, brown.]	0.5					3.7	[(0-1ft) (1)]
	[Brown Fill- silt with sand, gravel, and trace clay.]					19/60	1.2	
							0.8	
							0.9	
	[Fill- Gravel and sand with some silt.]	4					0.5	
5	[Black peat with woody debris, moist.]	4.5					1.2	
							1.1	
	(CL-ML) [Gray silty clay, decreasing clay content with depth. Wet, soft and highly plastic.]	7				20/60	1.5	[(7-8ft) (1)]
							1.2	
							1.1	
10			CL-ML				1.7	[(10-11ft) (1)]
							1.4	
							1.2	
							1.5	
15							2.8	[(14-15ft) (1)]
	(SP-SM) [Light brown, very fine sand with some silt, wet.]	16.5	SP-SM				1.4	
							1.8	[(16-17ft) (1)]
	(SP-SM) [Light brown, fine-grained, well-sorted, sand with some silt, wet, . Increasing coarseness with depth.]	17.5	SP-SM				1.2	
							1.3	
	(SP) [Light brown, wet, medium grained, poorly sorted sand.]	18.5	SP				1.8	
20		20						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-02**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/29/2020  
FINISH 06/29/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil, organics, brown]						0.4	
	[light Brown Fill - dry, sand with gravel and some silt and clay.]	1				22/60	0.7	[(1-2ft) (1)]
	[Brown to black Fill- dry sand with gravel and some silt and clay.]	3					0	
	[Brown-black silty clay, soft, moist, plastic with some sand, woody debris at 4.9-5.0']	4					0.1	
5	(PT) [Light brown peat. Loose, low density, loost, soft, moist.]	4.9	PT				0.3	
						29/60	0.3	
	(SP-SM) [Light gray silty clay. High plasticity, soft, moist-wet.]	8					0.9	[(7-8ft) (1)]
							0.8	
10			SP-SM				0.5	
						27/60	0.2	[(11-12ft) (1)]
							0.8	
	(SP) [Brown sand, fine to medium, well rounded, poorly graded.]	14					0.9	[(13-14ft) (1)]
							0.3	
15			SP				0.2	
							0.9	
20		20						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-03**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/29/2020  
FINISH 06/29/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 15 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft  
DEPTH TO WATER (FINAL)

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
		[Topsoil, organics, brown]						1.9	[[0-1ft) (1)]
2		[light yellowish brown sand, medium to coarse with gravel and trace silt.]	1			24/60		1.6	
								1.4	
4								1.5	
								3.2	Soil: 870 µg/kg 1,2-Dichloroethane [[4-5ft) (1)]
6					30/60		1.6		
						1.5			
8						1			
		(PT) [Brown Peat, soft, moist]	9	PT			1.7		
10		(CL-ML) [Gray silty clay, soft, moist to wet, plastic, smells impacted.]	9.25					0.8	
					CL-ML	36/60		1.4	
12							2.3	Soil: 150 µg/kg Vinyl chloride [[11-12ft) (1)]	
							3	Soil: 180 µg/kg Vinyl chloride [[12-13ft) (1)]	
14							2.5		
		(SP-SM) [Brown fine-grained sand with silt., poorly graded, saturated]	14.5	SP-SM			1.2		
			15						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20





3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-04**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/30/2020  
FINISH 06/30/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil, organics, brown]						0.6	
	(GW-SW) [Brown Fill- sand, medium to coarse, moderately graded with gravel and some silt and clay.]	1	GW-SW		23/60		0.6	
							0.9	[(2-3ft) (1)]
	(CL-ML) [Brown Fill- silty clay, soft, plastic with sand and gravel.]	3.5					0.7	
5			CL-ML				0.9	
							1.4	[(5-6ft) (1)]
					22/60		1.2	
							0.8	
	(CL-ML) [Gray silty clay, soft, plastic, smells impacted.]	9					1.1	
10			CL-ML				1.2	[(9-10ft) (1)]
							1.1	
					36/60		0.9	
							1.2	[(13-14ft) (1)]
							1.2	
15	(SP) [Light brown fine grained, well sorted sand]	15	SP				1.1	
							1.9	
	(SP) [Light brown fine to medium grained, poorly sorted sand.]	16.5	SP		36/60		1.8	
							2.4	
	(SWG) [Light brown coarse grained, poorly sorted sand with some fine gravel.]	18	SWG				2.9	[(18-19ft) (1)]
							2.2	
	(SP) [Light brown fine to medium, poorly sorted, sand.]	19	SP					
20		20						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-05**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START 06/29/2020  
FINISH 06/29/2020

HORIZONTAL DATUM: NORTHING, EASTING  
VERTICAL DATUM: ELEVATION

BOREHOLE DEPTH: 20 ft  
BOREHOLE DIAMETER: 3.25 in  
DEPTH TO WATER (INITIAL): 4.5 ft  
DEPTH TO WATER (FINAL):

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Topsoil, organics.]	0.5					1.8	[(0-1ft) (1)]
	(SW) [Sand, medium-coarse grained, moderately sorted, dry - saturated at ~4.5', some gravel at ~4', no stains, no odors, dark brown.]		SW			30/60	1.4 1.5 1.6	
5	(PT) [Peat - moist, soft, no stains, no odors, dark brown - black.]	4.5	PT				1.6	
	(CL-ML) [Silty Clay, soft, moist - wet, plastic, decreasing silt content/increasing clay content with depth, no stains, no odors, gray.]	6	CL-ML			36/60	1.3 0.8 1.7 1.9	[(7-8ft) (1)]
10							1.9	[(9-10ft) (1)]
						45/60	1 0.8	
15							1.4	[(14-15ft) (1)]
	(SP) [Sand, saturated, fine - medium grained, well sorted, no stains, no odors, yellowish brown.]	16	SP			60/60	1.1 1.6 0.7 0.9	[(16-17ft) (1)]
20		20					2	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Rock Core

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-06**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 06/29/2020  
FINISH 06/29/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
5	(SW-SM) [Sand, medium-coarse grained, some silt, no stains, no odors, dark brown to black, saturated at ~4.5']	5	SW-SM		30/60	0.3	Soil: 3,000 µg/kg 1,2-Dichloroethane [(3-4ft) (1)]	
						0.1		
						0.3		
						0.3		
						1.6		Soil: 1,500 µg/kg 1,2-Dichloroethane [(4-5ft) (1)]
6	(CL-ML) [Clay, some silt, moist, soft, medium plasticity, no stains, no odors, gray - increasing moisture with depth.]	6	CL-ML		30/60	1.3	[(9-10ft) (1)]	
						1.1		
						0.3		
						0.4		
						0		
15	(SP) [Sand, saturated, fine - medium grained, well-sorted, no stains, no odors, yellowish brown.]	15	SP		45/60	1.3	[(14-15ft) (1)]	
						1.3		
						1.2		
						1.3		
						0.6		[(15-16ft) (1)]
20		20			60/60	1.3		
						1		
						0.6		
						1.4		

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-07**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START 06/29/2020  
FINISH 06/29/2020

HORIZONTAL DATUM: NORTHING, EASTING  
VERTICAL DATUM: ELEVATION

BOREHOLE DEPTH: 20 ft  
BOREHOLE DIAMETER: 3.25 in  
DEPTH TO WATER (INITIAL): 5 ft  
DEPTH TO WATER (FINAL):

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		(TOPSOIL) [Topsoil and organics.]	1	TOPSOIL				1.4	
		(SW) [Sand, some gravel from 1-2', medium to coarse grained, brick fragments from 3.5-4.5 ft, dry at surface, increasing moisture with depth, saturated at ~5', no stains, slight odor, black.]					36/60	0.9	
								1.2	[(2-3ft) (1)]
								1.2	
5				SW				0.2	
								0.4	
							54/60	0.6	Soil: 5,100 µg/kg 1,2-Dichloroethane [(6-7ft) (1)]
								1.1	
								0.6	
		(CL-ML) [Clay, moist, some silt, soft, plastic, increased moisture with depth, no staining, some odor, gray.]	9.5					1.8	Soil: 1,900 µg/kg 1,2-Dichloroethane; 450 µg/kg Vinyl chloride [(9-10ft) (1)]
10				CL-ML				0.7	
								1	
							60/60	0.8	[(12-13ft) (1)]
								0.8	
								0.5	
15								0.6	
		(SP) [Sand, fine to medium grained, saturated, no stains, some odor, gray transitioning to yellowish brown.]	17					1	
				SP				1.2	[(17-18ft) (1)]
								1.2	
								1.5	
20			20						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-08**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/29/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	4 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		[Topsoil and organics.]						0.6	
			2.5				24/60	0.7	[(2-3ft) (1)]
5		(SW) [Sand, medium-coarse grained, poorly sorted, saturated at ~4 ft, no stains, no odors, dark brown - black.]		SW				0.7	
								0.3	
								0.3	
		(PT) [Peat, soft, moist, crumbly, no stains, no odors, black.]	5					0.8	[(5-6ft) (1)]
				PT				0.7	
							24/60	0.7	
		(CL-ML) [Silty Clay, soft, plastic, moist - wet, no stains, faint odor from 13 - 15', gray.]	8					0.8	[(8-9ft) (1)]
								0.8	
10				CL-ML				0.7	
							45/60	0.7	
								0.7	
								0.7	
15		(SP-SM) [Silty Sand, saturated, fine grained, well sorted, no stains, faint odor, gray.]	15					0.8	[(15-16ft) (1)]
				SP-SM				1	
		(SW) [Sand, medium - coarse grained, poorly sorted, saturated, no stains, no odors, brown.]	17				60/60	2	[(17-18ft) (1)]
				SW				0.6	
								0.6	
20			20						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-09**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 06/30/2020  
FINISH 06/30/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 15 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft  
DEPTH TO WATER (FINAL)

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil and organics.]						5.8	[[0-1ft) (1)]
2	(SW) [Sand, dry, trace gravel, saturated at ~4.5', no stains, no odors, dark brown - black.]	1	SW		30/60		4.1	
4							0.6	
	(PT) [Peat, moist, soft, no stains, no odors, black.]	5	PT				0	
6							0	
	(CL-ML) [Clayey Silt, moist - wet, moderate plasticity, no stains, no odors, gray.]	7	CL-ML		30/60		0.4	[[6-7ft) (1)]
8							0	
10							0	
12							0	
							0.1	[[11-12ft) (1)]
14							0.1	
	(SP) [Sand, saturated, medium - coarse grained, trace gravel, no stains, no odors, brown.]	14.5	SP		54/60		0	[[13-14ft) (1)]
		15					0	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-10**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 06/30/2020  
FINISH 06/30/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil and organics.]						0	
5	(SW) [Sand, dry, coarse grained, no stains, no odors, brownish yellow from 1.5 - 3.5' transitioning to black at ~3.5', saturated at ~5'.]	1.5	SW			42/60	0	
							0.1	[(3-4ft) (1)]
							0	[(4-5ft) (1)]
	(PT) [Peat, soft, moist, no stains, no odors, black.]	5.5	PT			18/60	0	
							0.1	[(7-8ft) (1)]
10	(CL-ML) [Clayey Silt, moist-wet, soft, moderately plastic, no stains, no odors, gray]	8.5	CL-ML			48/60	0	
							0	[(11-12ft) (1)]
15	(SP-SM) [Silty Sand, saturated, fine grained, well sorted, cohesive, no stains, no odors, gray.]	16.5	SP-SM			48/60	0	
	(SP) [Sand, med-coarse grained, saturated, poorly sorted, no stains, no odors, brownish yellow.]	18	SP				0	
20		20					0	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-11**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Topsoil and organics.]						0.1	
	(SWG) [Sand and gravel, dry at surface, medium - coarse grained, poorly sorted, no stains, no odors, saturated at ~5', brown - black.]	1	SWG			30/60	0.1	Soil: 760 µg/kg 1,2-Dichloroethane [(1.5-2.5ft) (1)]
5	(PT) [Peat, soft, moist, no stains, no odors, black.]	5	PT				0	[(5.5-6.5ft) (1)]
	(CL-ML) [Clayey Silt, moist - wet, soft, moderately plastic, no stains, no odors, gray.]	8	CL-ML			36/60	0.2	
10						54/60	0	[(9-10ft) (1)]
15							0	[(12-13ft) (1)]
	(SP) [Sand, medium - coarse grained, saturated, some gravel from 17-18', no stains, no odors, yellowish brown.]	16.5	SP			80/60	0.1	
							0.4	
							1.6	
							1.7	
							2.3	
20		20						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20





3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-12**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 06/30/2020  
FINISH 06/30/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 15 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil and organics.]						3.5	[(0-1ft) (1)]
2	(SWG) [Sand and gravel, dry, medium to coarse grained, no stains, no odors, brown.]	1	SWG		24/60		0.6	
4	(SW-SM) [Silty Sand, trace gravel, saturated, fine grained, well sorted, no stains, no odors, yellowish brown.]	3.5	SW-SM				0.3	
6							0	[(4-5ft) (1)]
8					36/60		0	
10	(MH) [Clayey Silt, moist - wet, soft, plastic, no stains, no odors, dark gray.]	9	MH				0	
12							0	[(10-11ft) (1)]
14					54/60		0	
		15					0	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Rock Core



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-13**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 07/01/2020  
FINISH 07/01/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 15 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Topsoil and organics.]						40	
2	(GW-SW) [Sand and gravel with some silt and trace clay, dry - saturated at ~5 ft bgs.]	1	GW-SW			36/60	20.7	[(1-2ft) (1)]
4							3.1	
	(CLS) [Sandy Clay, soft, plastic, black.]	5	CLS				7.4	[(4-5ft) (1)]
6							2.1	
	(PT) [Peat, soft, moist, black.]	7	PT			30/60	3.8	[(6-7ft) (1)]
8							7.3	
	(CL-ML) [Silty Clay, soft, moist, plastic, odor present, gray.]	9.5	CL-ML				1.6	
10							1.8	[(9-10ft) (1)]
							1.4	
12							1.8	
							1.6	[(12-13ft) (1)]
14	(SP) [Sand, fine - coarse grained, poorly sorted, saturated, brown.]	14	SP				1.2	
							1.7	
		15						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-14**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Erika Smith  
OFFICE LOCATION Indianapolis, IN  
DATE: START 07/01/2020  
FINISH 07/01/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft  
DEPTH TO WATER (FINAL)

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Topsoil, organics, black and brown.]						4	[(0-1ft) (1)]
5	(SW-SM) [Sand, medium to coarse grained, some silt, slight odor, no stains, saturated at ~5', black to gray.]	2	SW-SM		30/60		1.4 1.1 0.9 0.1	Soil: 980 HC µg/kg 1,2-Dichloroethane [(4.5-5.5ft) (1)]
	(SW-SM) [Silty Sand, some clay, saturated, fine grained, well sorted no stains, slight odor, black.]	7	SW-SM		45/60		0	
	(CL-ML) [Clay, silt present, plastic, moist, slight odor, no stains, saturated, gray.]	8	CL-ML				0	[(8.5-9.5ft) (1)]
10					54/60		0	
15	(SWG) [Sand, medium to coarse grained, increased fines with depth, saturated, poorly sorted, some gravel from 17-17.5', no stains, some odor, brown.]	15	SWG		48/60		0.1 0 0 0	[(13.5-14.5ft) (1)]
20		20					0	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-15**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/01/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	07/01/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	4.5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▼	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
		[Topsoil, organics, black and brown.]						0.4	
		(SWG) [Sand, medium-coarse grained, poorly sorted, dry, some gravel, no stains, no odors, light brown.]	2	SWG			42/60	2.8	
		(SW) [Sand, medium - coarse grained, moderately sorted, some silt, moist, no stains, no odors, black.]	3	SW				5.1	[(2-3ft) (1)]
5		[Peat - moist, soft, no stains, some odors, dark brown - black.]	6					0.3	
		(CL-ML) [Silty Clay, soft, moist - wet, plastic, no stains, some odors, gray.]	8	CL-ML			24/60	2.1	
10								16.3	
								22.3	Soil: 1,900,000 D µg/kg 1,2-Dichloroethane; 2,900 µg/kg 1,1,2-Trichloroethane; 3,000 µg/kg Trichloroethene; 2,900 µg/kg Vinyl Chloride [(7-8ft) (1)] Soil: 83,000 E µg/kg 1,2-Dichloroethane; 440 LC µg/kg Vinyl Chloride [(8-9ft) (1)]
								38.5	
								55.3	
								34.8	
								26.4	
								40.3	
								33.5	
								50.3	Soil: 280,000 D µg/kg 1,2-Dichloroethane; 490 µg/kg Vinyl Chloride [(13-14ft) (1)]
15								13.9	
		(SW-SM) [Sand, some silt and gravel, saturated, fine - medium grained, moderately sorted, decreasing silt content with depth, no stains, some odors, yellowish brown.]	16	SW-SM				18.4	
								15.8	
								17.2	
								8.2	
20			20					2	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-16**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/01/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	07/01/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	15 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	4.5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	(TOPSOIL) [Topsoil, organics, black and brown.]		TOPSOIL				0.1	
2	(SW-SM) [Silty Sand, medium-coarse grained, moderately sorted, saturated, some gravel, no stains, some odors, black - brown.]	1				24/60	0.1	
4							0	[[2-3ft] (1)]
6			SW-SM				0	
8		8				30/60	0	Soil: 220,000 D µg/kg 1,2-Dichloroethane; 78 µg/kg Vinyl Chloride [[6-7ft]]
10	(CL-ML) [Silty Clay, soft, moist - wet, plastic, no stains, some odors, gray.]						0.2	Soil: 11,000 D µg/kg 1,2-Dichloroethane [[8-9ft]]
12							0.1	
14			CL-ML			24/60	0	[[11-12ft] (1)]
		15					0	

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Rock Core

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-17**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START 07/01/2020  
FINISH 07/01/2020

HORIZONTAL DATUM: NORTHING, EASTING  
VERTICAL DATUM: ELEVATION

BOREHOLE DEPTH: 15 ft  
BOREHOLE DIAMETER: 3.25 in  
DEPTH TO WATER (INITIAL): 4.5 ft  
DEPTH TO WATER (FINAL):

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		[Topsoil, organics, black and brown.]						0.8	
		(GP) [Gravel fill with sand, poorly sorted, no stains, no odors, black-brown.]	1	GP				1.2	[(1-2ft) (1)]
2		(CL-ML) [Silty Clay, fill, no stains, no odors, brown.]	1.5	CL-ML		36/60		1	
		(GW-SW) [Sand fill with gravel, poorly sorted, brick fragments and debris, no stains, no odors, black.]	3.5	GW-SW				0.5	
4								0.6	
								0.1	
6								0.4	Soil: 220,000 HC µg/kg 1,2-Dichloroethane [(6-7ft) (1)]
								0.2	
8								0.1	
								0.1	
10		(CL-ML) [Silty Clay, plastic, wet, no stains, some odor, gray.]	10	CL-ML		30/60		7.9	
								14.4	Soil: 28,000 D µg/kg 1,2-Dichloroethane; 240 LC µg/kg Vinyl Chloride [(11-12ft) (1)]
12								7.5	
								10.7	Soil: 46,000 D µg/kg 1,2-Dichloroethane; 430 µg/kg Vinyl Chloride [(13-14ft) (1)]
14								3.7	
		(SP) [Sand, very fine grained, well sorted, saturated, no stains, no odors, brown.]	14.8 15	SP					

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers. At least one VOC parameter in Soil exceeded the groundwater ES.

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-18**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/01/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	07/01/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	5 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
	[Topsoil, organics, black and brown.]							
	(SW-SM) [Silty Sand, medium - coarse grained, moderately sorted, dry, no stains, no odors, black-brown.]	1					0.6	
2							2.7	[[1-2ft] (1)]
			SW-SM			36/60	0	
4							0	[[3-4ft] (1)]
							0.1	
		5						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-19**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN Toben Mielenz  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 07/01/2020  
FINISH 07/01/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 5 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5 ft  
DEPTH TO WATER (FINAL)

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	
	[Topsoil, organics, black and brown.]						0.5	
	(SW-SM) [Silty Sand, medium - coarse grained, moderately sorted, decreasing silt content with depth, dry, no stains, no odors, black-brown.]	1					0.2	[(1-2ft) (1)]
2							0.4	
			SW-SM			60/60	0.1	[(3-4ft) (1)]
4							0	
		5						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20





3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-GP-20**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/01/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	07/01/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	5 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
						SAMPLE TYPE	RECOVERY	PID (ppm) 11.2 eV Lamp	Observations / Remarks
		[Topsoil, organics, black and brown.]							
2		(SP) [Sand, medium - fine grained, well sorted, no stains, no odors, light brown.]	2					0.5	
								5.8	[(1-2ft) (1)]
				SP		60/60		8.1	
4								0.4	[(3-4ft) (1)]
								0.1	
			5						

REMARKS:  
Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-021A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	4.75 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▾	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
						SAMPLE TYPE	RECOVERY	Observations / Remarks
		[Asphalt.]	0.5					
		(GW-SW) [Sand and gravel fill/subbase, dry, brown.]	2.5	GW-SW				
5		(SW) [Sand, medium grained, trace gravel, increased moisture at 4.75', no stains, no odors, black. 5 - 10' No recovery.]		SW				
10		(MH) [Clayey Silt, soft, moist - wet, moderate plasticity, no stains, no odors, black transitioning to dark gray at ~11.5']	10	MH				
15		(GW-SW) [Sand with gravel, saturated, medium - coarse grained, moderately sorted, no stains, no odors, brown.]	15	GW-SW				
20								
			22.5					

REMARKS:  
TS-VAS-021. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-021B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	30 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	4.75 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▽	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		Observations / Remarks
						SAMPLE TYPE	RECOVERY	
		[Asphalt.]	0.5					
		(GW-SW) [Sand and gravel fill/subbase, dry, brown.]	2.5	GW-SW			42/60	
5		(SW) [Sand, medium grained, trace gravel, increased moisture at 4.75', no stains, no odors, black. 5 - 10' No recovery.]		SW				
10		(MH) [Clayey Silt, soft, moist - wet, moderate plasticity, no stains, no odors, black transitioning to dark gray at ~11.5'.]	10	MH			57/60	
15		(GW-SW) [Sand with gravel, saturated, medium - coarse grained, moderately sorted, no stains, no odors, brown.]	15	GW-SW			42/60	Groundwater: 410 D µg/L 1,2-Dichloroethane; 52 B D J µg/L Methylene Chloride [(14-19ft)]
20		(SP-SM) [Silty Sand, saturated, fine grained, well sorted, cohesive, no stains, no odors, light gray.]	22.5	SP-SM			54/60	Groundwater: 80,000 D µg/L 1,2-Dichloroethane; 63 B D J µg/L Methylene Chloride; 15 D J µg/L Trichloroethene; 200 D µg/L Vinyl Chloride; 12 D J µg/L Benzene [(20-24ft)]
25		(SP-SM) [Sand with silt, fine grained, trace gravel, saturated, somewhat cohesive, no stains, no odors, brownish yellow.]	25	SP-SM				
		(GW-SW) [Sand with gravel, medium - coarse grained, saturated, poorly sorted, no stains, no odors, brown.]	28	GW-SW			60/60	Groundwater: 390 D µg/L 1,2-Dichloroethane; 66 B D J µg/L Methylene Chloride [(26-30ft)]
30			30					

REMARKS:  
TS-VAS-021. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:

Direct push geoprobe sample     No Recovery

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-022A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	8 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	8 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
						SAMPLE TYPE	RECOVERY	Observations / Remarks
		[Asphalt.]						
		(GW-SW) [Sand and gravel subbase.]	0.5					
2				GW-SW				
		(SW) [Sand, medium - coarse grained, dry, non-cohesive, no stains, no odors, black.]	3					
4				SW				
		[Peat, soft, moist, no stains, no odors, black.]	6					
6								
			8					
8								

REMARKS:  
TS-VAS-022. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-022B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	30 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) ▼	8 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) ▼	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		Observations / Remarks
						SAMPLE TYPE	RECOVERY	
		[Asphalt.]	0.5					
		(GW-SW) [Sand and gravel subbase.]		GW-SW			45/60	
5		(SW) [Sand, medium - coarse grained, dry, non-cohesive, no stains, no odors, black.]	3	SW				
		[Peat, soft, moist, no stains, no odors, black.]	6				48/60	
10		(CL-ML) [Clayey Silt, moist - wet, soft, moderate plasticity, some organic (black) staining from 8 - 10', no odors, dark gray - light gray at ~10 ft, increased moisture content with depth. Some black staining and faint odor from 15-17 ft.]	8	CL-ML			60/60	
15		(SM) [Silty Sand, saturated, fine - medium grained, moderately sorted, no stains, no odors, gray.]	17	SM			60/60	Groundwater: 4,700 D µg/L 1,2-Dichloroethane; 68 B D J µg/L Methylene Chloride; 19 D J µg/L Vinyl Chloride [(16-20ft) (1)]
20		(SP) [Sand, saturated, medium - coarse grained, well sorted, no stains, no odors, yellowish brown.]	18	SP			54/60	Groundwater: 34,000 D µg/L 1,2-Dichloroethane; 70 B D J µg/L Methylene Chloride; 180 D µg/L Vinyl Chloride [(21-25ft) (1)]
25		(MLS) [Sandy Silt, trace gravel, saturated, well sorted, increasing sand/gravel content with depth, no stains, no odors, light gray.]	23.5	MLS			60/60	Groundwater: 60 D µg/L 1,2-Dichloroethane; 1.2 D J µg/L Vinyl Chloride [(26-30ft) (1)]
30		(SW) [Sand, some gravel, saturated, medium - coarse grained, moderately sorted, no stains, no odors, yellowish brown.]	28	SW				
			30					

REMARKS:  
TS-VAS-022. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-023A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	8 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	8 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		
						SAMPLE TYPE	RECOVERY	Observations / Remarks
		[Asphalt.]						
		(GW-SW) [Sand and gravel subbase.]	0.5	GW-SW				
2		(SW) [Sand, some gravel, medium - coarse grained, dry, no stains, no odors, black.]	2	SW				
4								
6		[Peat, soft, moist, organic, no stains, no odors, black.]	6					
8		(CL-ML) [Clayey Silt, soft, moist - wet, increasing moisture with depth, moderate plasticity, some black staining and faint odor from 15-18', gray.]	7.5	CL-ML				
10								
12								
14								
16								
18			18					

REMARKS:  
TS-VAS-023. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-023B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Toben Mielenz	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	06/30/2020
DRILLING EQUIPMENT	Geoprobe	FINISH	06/30/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	30 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	8 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		Observations / Remarks
						SAMPLE TYPE	RECOVERY	
		[Asphalt.]	0.5					
		(GW-SW) [Sand and gravel subbase.]	2	GW-SW			36/60	
5		(SW) [Sand, some gravel, medium - coarse grained, dry, no stains, no odors, black.]		SW				
		[Peat, soft, moist, organic, no stains, no odors, black.]	6					
		(CL-ML) [Clayey Silt, soft, moist - wet, increasing moisture with depth, moderate plasticity, some black staining and faint odor from 15-18', gray.]	7.5				24/60	
10				CL-ML			45/60	
15								
		(SM) [Silty Sand, saturated, trace gravel, cohesive, no stains, no odors, gray.]	18	SM			54/60	
20		(SP) [Sand, medium - coarse grained, saturated, cohesive, silty sand lens from 21-21.5', no stains, no odors, yellowish brown.]	20	SP			36/60	Groundwater: 250 D $\mu\text{g/L}$ 1,2-Dichloroethane; 2.1 D J $\mu\text{g/L}$ Vinyl Chloride [(18-21ft) (1)]
25		(MLS) [Sandy Silt, saturated, slightly plastic, no stains, no odors, gray.]	24.5	MLS				Groundwater: 23,000 D $\mu\text{g/L}$ 1,2-Dichloroethane; 35 B D J $\mu\text{g/L}$ Methylene Chloride; 100 D $\mu\text{g/L}$ Vinyl Chloride [(22-25ft) (1)]
		(SP) [Sand, medium grained, well sorted, trace gravel, saturated, no stains, no odors, yellowish brown.]	27.5	SP			30/60	Groundwater: 9.7 $\mu\text{g/L}$ 1,2-Dichloroethane; 39 $\mu\text{g/L}$ Vinyl Chloride [(27-30ft) (1)]
30			30					

REMARKS:  
TS-VAS-023. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

LAB ANALYSIS:  
1 = VOLATILE ORGANICS

Direct push geoprobe sample

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-024**

ERM PROJECT # 0441161

SHEET 1 OF 2

DRILLING CONTRACTOR Cascade Drilling  
Wausau, WI  
DRILLING FOREMAN Ben Price  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/30/2020  
FINISH 06/30/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 110 ft  
BOREHOLE DIAMETER 6 in  
DEPTH TO WATER (INITIAL) ▽  
DEPTH TO WATER (FINAL) ▽

DEPTH	ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		Observations / Remarks
						SAMPLE TYPE	RECOVERY	
		[Tan Fill- Gravel with sand and silt.]						
5		(GW-SW) [Black fill- sand with gravel and silt.]	2	GW-SW			48/60	
		(GW-GM) [Black gravel with some sand, silt, and clay.]	5	GW-GM			36/60	
		(PT) [Peat. Low density with woody debris and anthropogenic debris.]	7	PT			60/60	
10		(CL-ML) [Gray silty clay. High plasticity and soft. Slight odor.]	9.5	CL-ML			48/60	
15								
		(GP-SP) [Brown, fine grained sand with fine pebbles.]	17	GP-SP			48/60	
20								
		(ML) [Brown silt with trace sand and clay. Low plasticity.]	23	ML			48/60	
25		(SPG) [Brown fine grained sand with gravel.]	24	SPG			60/60	
		(SW) [Brown medium to coarse grained sand.]	26.5	SW			60/60	
30								
		(SP) [Brown, very fine grained sand with trace silt.]	31	SP			48/60	
35		(SP-SM) [Brown, very fine grained sand with some silt.]	33	SP-SM			48/60	
40								
45								
		(SP-SM) [Brownish gray, silty sand. Injectable.]	50	SP-SM			55/60	
50								
55								
		(SP) [Brown fine grained sand.]	57	SP			60/60	
			58.5	SP			45/60	

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20

REMARKS:  
TS-VAS-024. The formation is not very injectable after approximately 100 feet bgs. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact (NIDC) VOC parameter in

LAB ANALYSIS:  
1 = VOLATILE ORGANICS  
Soil exceeded the groundwater ES. =

■ Undisturbed Sample





3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT: 910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-024**

ERM PROJECT # 0441161

SHEET 2 OF 2

DRILLING CONTRACTOR Cascade Drilling  
Wausau, WI  
DRILLING FOREMAN Ben Price  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/30/2020  
FINISH 06/30/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 110 ft  
BOREHOLE DIAMETER 6 in  
DEPTH TO WATER (INITIAL) ▾  
DEPTH TO WATER (FINAL) ▾

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA		Observations / Remarks
					SAMPLE TYPE	RECOVERY	
65	(SP) [Brown, medium grained, well sorted sand.] (SP) [Brown, medium grained, well sorted sand.](Continued)		SP			48/60	
70			SP			40/60	
75	(SP) [Brown, fine grained sand.]	75	SP			48/60	
80			SP			41/60	
85	(MLS) [Brown sandy silt.]	85	MLS			48/60	
90			MLS			48/60	
91	(SP-SM) [Brown fine grained sand with silt.]	91	SP-SM			60/60	Groundwater: 1,800 D µg/L 1,2-Dichloroethane; 440 B D J µg/L Methylene Chloride; 1,200 D µg/L Vinyl Chloride; 320 D J µg/L Cis-1,2-Dichloroethane [(90-95ft) (1, At least one VOC parameter in Soil exceeded the groundwater ES.)] Groundwater: 33 D µg/L 1,2-Dichloroethane [(95-100ft) (1)]
93	(MLS) [Brown sandy silt.]	93	MLS			60/60	
95	(SP-SM) [Brown, very fine grained, silty sand.]	95	SP-SM			53/60	
99		99	MLS			53/60	
100	(MLS) [Brown sandy silt.]	100	MLS			53/60	
101	(SP-SM) [Brown, very fine grained silty sand.]	101	SP-SM			42/60	Groundwater: 0.23 LC J µg/L Vinyl Chloride [(100-105ft) (1)]
101.5		101.5	MLS			42/60	
104.5	(MLS) [Brown sandy silt.]	104.5	SP-SM			53/60	
105	(SP-SM) [Brown silty sand.]	105.5	SP-SM			53/60	
105.5			MH			53/60	
110	(MH) [Brown silt with some clay and trace sand.]	110	MH			53/60	

REMARKS:  
TS-VAS-024. The formation is not very injectable after approximately 100 feet bgs. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. At least one VOC parameter in

■ Undisturbed Sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS  
Soil exceeded the groundwater ES. =

BORING LOG EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/14/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-21**

ERM PROJECT # 0441161  
SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
New Hebron, IN  
DRILLING FOREMAN Rob Mores  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe 6600

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 07/22/2020  
FINISH 07/22/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 15 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 4.5 ft  
DEPTH TO WATER (FINAL)

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLE TYPE	RECOVERY	SAMPLING DATA	
							PID (ppm) 10.6 eV Lamp	Observations / Remarks
	Topsoil fill, [organic]						0	Topsoil
	SAND (SW) well graded, medium to coarse grained SAND; some gravel, dry, dark brown, no staining, no odor	1	SW				0	
							0	
							0	TS-GP-21(3-4') [(3-4ft) (1)]
5	SAND (SW) well graded, medium to coarse grained SAND; some gravel, saturated, dark brown, no staining, no odor	4.5	SW				0	
		5					0.3	
	PEAT soft, moist, black, no staining, no odor	7					0.1	TS-GP-21(6-7') [(6-7ft) (1)]
	SILTY CLAY (CL-ML) medium plasticity, soft, wet, gray, no staining, no odor		CL-ML				0	
10							0	TS-GP-21(11-12') [(11-12ft) (1)]
							0	
							0	TS-GP-21(13-14') [(13-14ft) (1)]
15	SAND (SW) well graded, fine to medium grained SAND; saturated, grayish brown, no staining, no odor, [cohesive]	14.5	SW				0	
		15						
20								
25								
30								

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20

REMARKS:

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-22**

ERM PROJECT # 0441161  
SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics New Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Rob Mores	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/22/2020
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	07/22/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	4 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLE TYPE	RECOVERY	SAMPLING DATA	
							PID (ppm) 10.6 eV Lamp	Observations / Remarks
	Topsoil fill						0.6	
	GRAVELLY SAND (SW) well graded, medium to coarse grained SAND; dry, dark brown grayish brown, no staining, no odor	1	SW				3.2	TS-GP-22(1-2') [(1-2ft) (1)]
		4					0	gravel seam at 4-4.25'
5	GRAVELLY SAND (SW) well graded, medium to coarse grained SAND; saturated, dark brown grayish brown, no staining, no odor	5	SW				0	
		6-7					0.1	TS-GP-22(6-7') [(6-7ft) (1)]
		8					0.1	
10	(CL-ML)		CL-ML				0	TS-GP-22(11-12') [(11-12ft) (1)]
							0	TS-GP-22(13-14') [(13-14ft) (1)]
15							0	
	(SM)	16	SM				0	
20		20					0.4	
							1.2	
							0.5	

REMARKS:	LAB ANALYSIS: 1 = VOLATILE ORGANICS
<input type="checkbox"/> Direct push geoprobe sample	



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-23**

ERM PROJECT # 0441161  
SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics New Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Rob Mores	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/22/2020
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	07/22/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	6 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 10.6 eV Lamp	
	Topsoil fill, [organics]						0.7	
	SANDY CLAY (CL) medium plasticity, firm, no staining, no odor	1	CL				0.4	TS-GP-23(1-2') [(1-2ft) (1)]
5							1.3	
	SANDY CLAY (MH) medium plasticity, firm, contains silt, moist to saturated, brown, no staining, no odor, [Increasing sand and silt from 6-9']	6	MH				0.8	
							0.7	
							2.1	
							2.2	TS-GP-23(6-7') [(6-7ft) (1)]
	CLAYEY SILT (MH) low plasticity, soft, wet, dark gray, no staining, no odor	9	MH				0.4	
10							0.3	
							0.8	
							0.1	
							0.3	TS-GP-23(11-12') [(11-12ft) (1)]
							0.2	
							0.1	TS-GP-23(13-14') [(13-14ft) (1)]
15							0.2	
	SAND (SW) well graded, medium to coarse grained SAND; saturated, yellowish brown, no staining, no odor	15.5	SW				0	
							0	
							0	
							0	
							0	
	SILTY SAND (SM) poorly graded, fine grained SAND; saturated, grayish brown, no staining, no odor	19	SM				0	
20		20					0	

REMARKS:	LAB ANALYSIS: 1 = VOLATILE ORGANICS
<input type="checkbox"/> Direct push geoprobe sample	



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-24**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR

EnviroDynamics  
New Hebron, IN

DRILLING FOREMAN

Rob Mores

DRILLING METHOD

Direct Push

DRILLING EQUIPMENT

Geoprobe 6600

ERM REPRESENTATIVE

Chris Burrows

OFFICE LOCATION

Indianapolis, IN

DATE: START

07/22/2020

FINISH

07/22/2020

HORIZONTAL DATUM

NORTHING

EASTING

VERTICAL DATUM

ELEVATION

BOREHOLE DEPTH

15 ft

BOREHOLE DIAMETER

3.25 in

DEPTH TO WATER (INITIAL) ▼ 6 ft

DEPTH TO WATER (FINAL) ▽

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLE TYPE	RECOVERY	SAMPLING DATA	
							PID (ppm) 10.6 eV Lamp	Observations / Remarks
	Topsoil fill						1.4	
5	SAND (SW) well graded, medium to coarse grained SAND; moist, no staining, no odor	2.5	SW				16.3	TS-GP-24(1-2') [(1-2ft) (1)]
	PEAT soft, moist, black, no staining, no odor	6					0.1	
	SILTY CLAY (CL-ML) medium plasticity, soft, moist, gray, no staining, no odor	9	CL-ML				0.1	TS-GP-24(6-7') [(6-7ft) (1)]
10							0.2	
		14.5					0.1	
15	SAND (SW) well graded, fine grained SAND; some silt, saturated, grayish brown, no staining, no odor	15	SW				0	TS-GP-24(11-12') [(11-12ft) (1)]
							0	TS-GP-24(13-14') [(13-14ft) (1)]
20							0	
25							0	
30							0	

REMARKS:

Direct push geoprobe sample

LAB ANALYSIS:

1 = VOLATILE ORGANICS

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:  
Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-25**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics New Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Rob Mores	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/22/2020
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	07/22/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	5.5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 10.6 eV Lamp	Observations / Remarks
	Topsoil fill							
	SAND (SW) well graded, medium grained SAND; dry, dark brown, no staining, no odor	1	SW				0.1	
5							0	
		0.2					0.2	TS-GP-25(3-4') [(3-4ft) (1)]
		0.1					0.1	
	SAND (SW) well graded, medium grained SAND; moist to wet, dark brown, no staining, no odor	5.5	SW				0	
		6					0	
		0					0	TS-GP-25(6-7') [(6-7ft) (1)]
	PEAT soft, moist, black, no staining, no odor	8.5					0	
	SILTY CLAY (CL-ML) medium plasticity, soft, moist to wet, gray, no staining, no odor		CL-ML				0.1	
10							0.1	
							0	TS-GP-25(11-12') [(11-12ft) (1)]
							0	
							0.1	TS-GP-25(13-14') [(13-14ft) (1)]
15							0	
	SAND (SW) well graded, medium to coarse grained SAND; saturated, no staining, no odor	16	SW				0	
							0.1	
20		20					0.4	
							0.7	

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20

REMARKS:

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-26**

ERM PROJECT # 0441161  
SHEET 1 OF 1

DRILLING CONTRACTOR EnviroDynamics  
New Hebron, IN  
DRILLING FOREMAN Rob Mores  
DRILLING METHOD Direct Push  
DRILLING EQUIPMENT Geoprobe 6600

ERM REPRESENTATIVE Chris Burrows  
OFFICE LOCATION Indianapolis, IN  
DATE: START 07/22/2020  
FINISH 07/22/2020

HORIZONTAL DATUM  
NORTHING  
EASTING  
VERTICAL DATUM ELEVATION

BOREHOLE DEPTH 20 ft  
BOREHOLE DIAMETER 3.25 in  
DEPTH TO WATER (INITIAL) 5.5 ft  
DEPTH TO WATER (FINAL)

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			Observations / Remarks
					SAMPLE TYPE	RECOVERY	PID (ppm) 10.6 eV Lamp	
	Topsoil fill						0.1	
	SAND (SW) medium to coarse grained SAND; some gravel, dry to saturated, dark brown, no staining, no odor	1	SW				0	Saturated at 5.5, dry above
5							0	TS-GP-26(3-4') [(3-4ft) (1)]
	PEAT soft, moist, black, no staining, no odor	5.5					0.3	
							2.2	TS-GP-26(6-7') [(6-7ft) (1)]
							1.7	
							2.1	
10	SILTY CLAY (CL-ML) medium plasticity, soft, wet, dark gray, no staining, no odor	9	CL-ML				0.1	
							0.1	TS-GP-26(11-12') [(11-12ft) (1)]
							0	
							0	TS-GP-26(13-14') [(13-14ft) (1)]
							0.1	
15							0.1	
	SAND (SW) well graded, medium to coarse grained SAND; saturated, grayish brown, no staining, no odor	17	SW				0.8	
		18.5					12.1	
							43.6	
20	SILTY SAND (SM) poorly graded, fine grained SAND; saturated, grayish brown, no staining, [strong odor (generic)]	20	SM				98.7	

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20

REMARKS:

Direct push geoprobe sample

LAB ANALYSIS:  
1 = VOLATILE ORGANICS



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

PROJECT:

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

BORING # **TS-GP-27**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR	EnviroDynamics New Hebron, IN	ERM REPRESENTATIVE	Chris Burrows
DRILLING FOREMAN	Rob Mores	OFFICE LOCATION	Indianapolis, IN
DRILLING METHOD	Direct Push	DATE: START	07/23/2020
DRILLING EQUIPMENT	Geoprobe 6600	FINISH	07/23/2020

HORIZONTAL DATUM		BOREHOLE DEPTH	20 ft
NORTHING		BOREHOLE DIAMETER	3.25 in
EASTING		DEPTH TO WATER (INITIAL) $\nabla$	5.5 ft
VERTICAL DATUM	ELEVATION	DEPTH TO WATER (FINAL) $\nabla$	

BORING LOG 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/18/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	SAMPLING DATA			
					SAMPLE TYPE	RECOVERY	PID (ppm) 10.6 eV Lamp	Observations / Remarks
	Topsoil fill						2.6	
	SAND (SW) well graded, medium to coarse grained SAND; dry, black, no staining, [some odor (generic)]	1	SW				0.7	
5							0.1	
	SAND (SW) well graded, medium to coarse grained SAND; saturated, black, no staining, [some odor (generic)]	5.5	SW				0.2	
		6					3.2	
	PEAT soft, moist, black, no staining, [strong odor (generic)]						112.6	
							210.4	
							243.9	TS-GP-27(7-8') [(7-8ft) (1)]
							236.2	TS-GP-27(8-9') [(8-9ft) (1)]
10	SILTY CLAY (CL-ML) medium plasticity, soft, moist, gray, no staining, [some odor (generic)]	9.5	CL-ML				221.9	
							4.3	
							20.6	
							33.2	TS-GP-27(12-13') [(12-13ft) (1)]
							5.8	
15	SAND (SP) poorly graded, fine grained SAND; some silt, saturated, grayish brown, no staining, [some odor (generic)]	15	SP				23.2	
							19.2	
							18.3	
							11.1	
20		20					15.6	
							4.8	

REMARKS:	LAB ANALYSIS: 1 = VOLATILE ORGANICS
<input type="checkbox"/> Direct push geoprobe sample	





PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-021A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

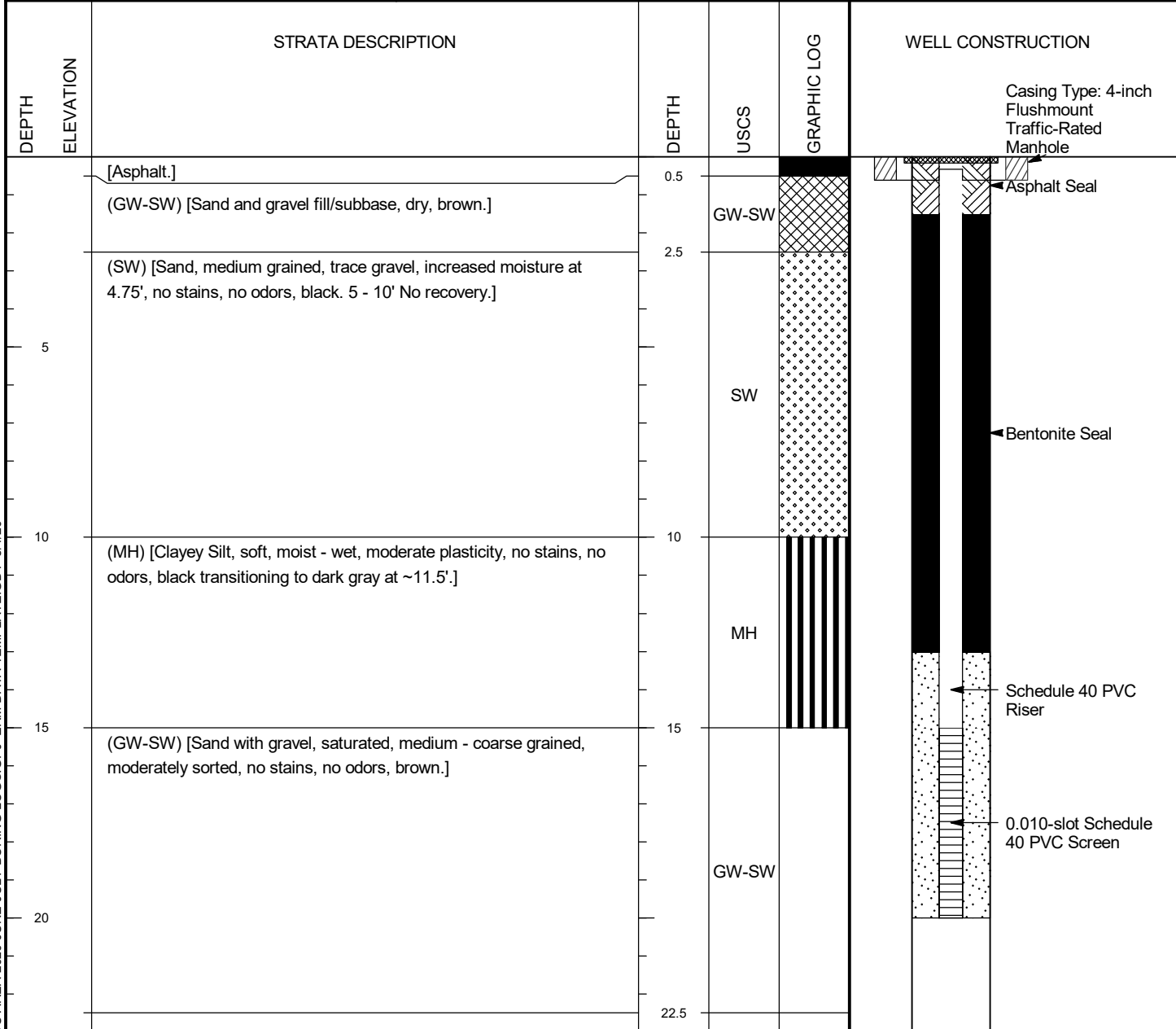
ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START: 06/30/2020  
FINISH: 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser: Material: Schedule 40 PVC, Diameter (ID): 1-inch, Coupling: Threaded  
Screen: Material: Schedule 40 PVC, 0.010-slot 1-inch, Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 0.25 hours  
Gals. Purged: 3

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20



REMARKS:  
TS-VAS-021. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

WELL INSTALLATION NOTES:  
Prepacked Screen Monitoring Well



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-021B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

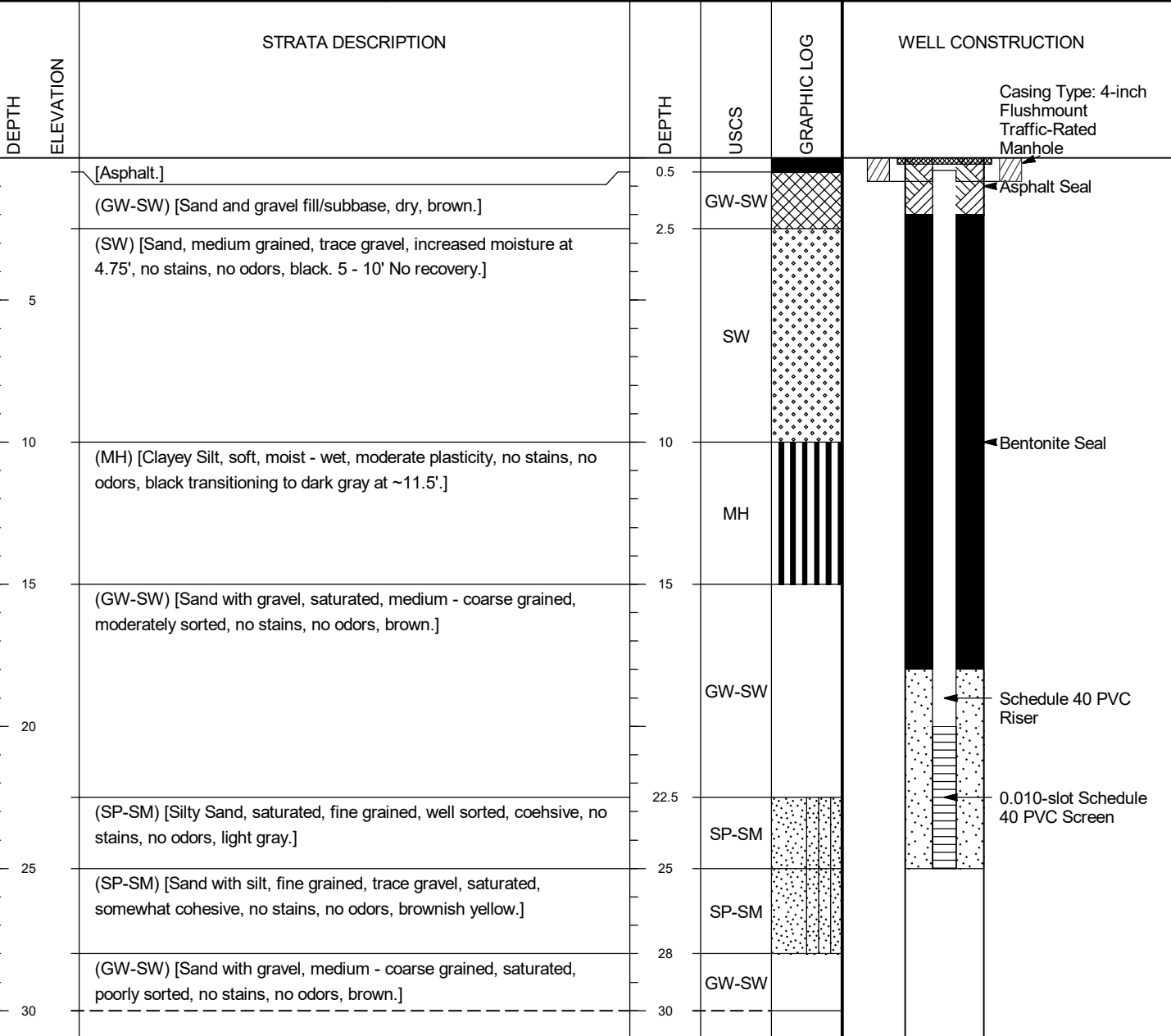
ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START: 06/30/2020  
FINISH: 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser: Material: Schedule 40 PVC, Diameter (ID): 1-inch, Coupling: Threaded  
Screen: Schedule 40 PVC, 0.010-slot 1-inch Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 0.25 hours  
Gals. Purged: 3

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20



REMARKS:  
TS-VAS-021. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

WELL INSTALLATION NOTES:  
Prepacked Screen Monitoring Well



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-022A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START: 06/30/2020  
FINISH: 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser: Material: Schedule 40 PVC, Diameter (ID): 1-inch, Coupling: Threaded  
Screen: Material: Schedule 40 PVC, 0.010-slot 1-inch, Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 0.25 hours  
Gals. Purged: 2.5

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	WELL CONSTRUCTION
	[Asphalt.]				
	(GW-SW) [Sand and gravel subbase.]	0.5			<p>Casing Type: 4-inch Flushmount Traffic-Rated Manhole Asphalt Seal Bentonite Seal Schedule 40 PVC Riser 0.010-slot Schedule 40 PVC Screen</p>
2			GW-SW		
	(SW) [Sand, medium - coarse grained, dry, non-cohesive, no stains, no odors, black.]	3			
4			SW		
6		6			
	[Peat, soft, moist, no stains, no odors, black.]				
8		8			

REMARKS:  
TS-VAS-022. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

WELL INSTALLATION NOTES:  
Prepacked Screen Monitoring Well



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-022B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

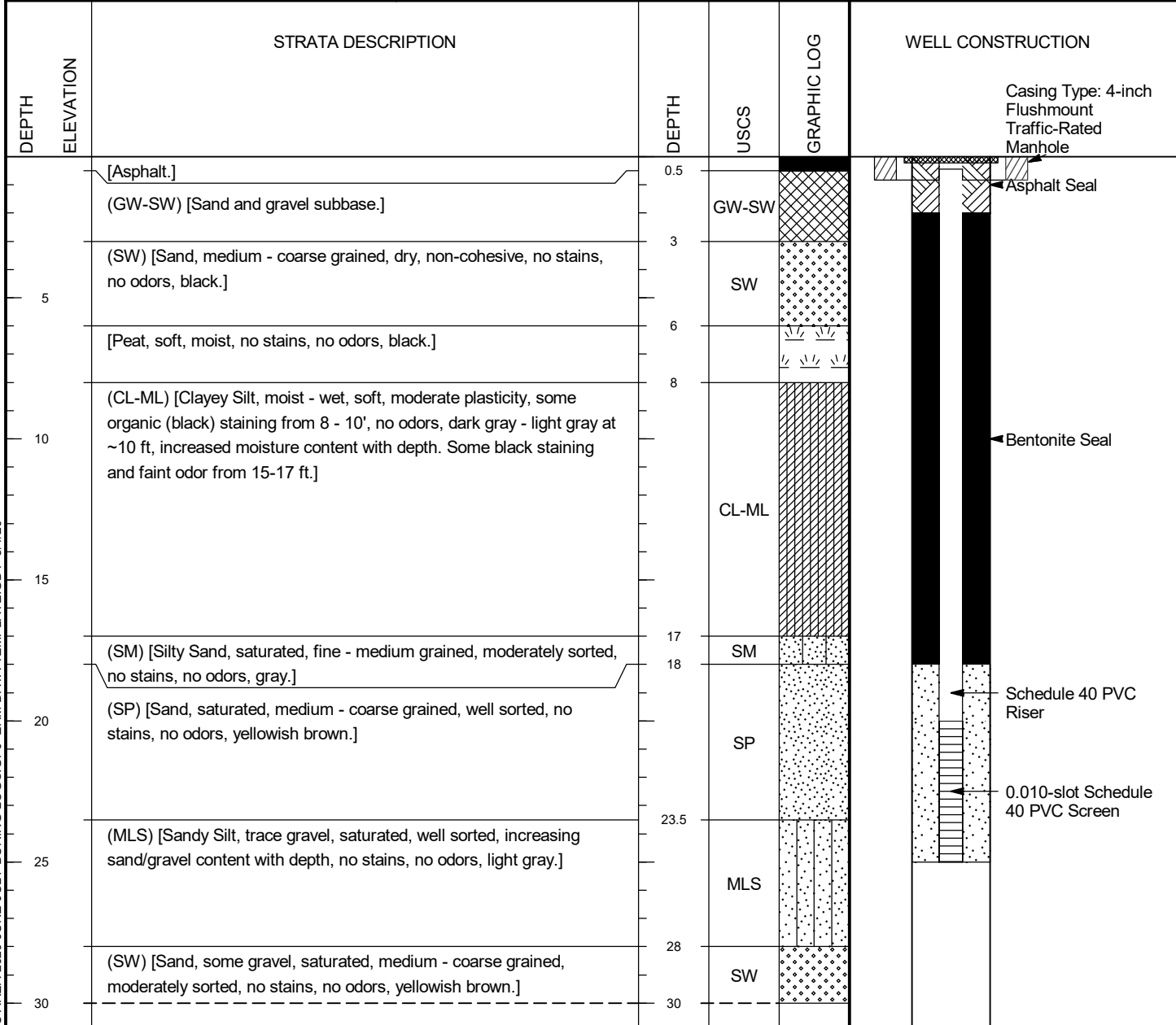
ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START: 06/30/2020  
FINISH: 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser: Material: Schedule 40 PVC, Diameter (ID): 1-inch, Coupling: Threaded  
Screen: Material: Schedule 40 PVC, 0.010-slot 1-inch, Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 0.25 hours  
Gals. Purged: 2.5

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20



REMARKS:  
TS-VAS-022. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

WELL INSTALLATION NOTES:  
Prepacked Screen Monitoring Well



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-023A**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START: 06/30/2020  
FINISH: 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser: Material: Schedule 40 PVC, Diameter (ID): 1-inch, Coupling: Threaded  
Screen: Material: Schedule 40 PVC, 0.010-slot 1-inch, Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 0.25 hours  
Gals. Purged: 2

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	WELL CONSTRUCTION
	[Asphalt.]	0.5			<p>Casing Type: 4-inch Flushmount Traffic-Rated Manhole Asphalt Seal Bentonite Seal Schedule 40 PVC Riser 0.010-slot Schedule 40 PVC Screen</p>
2	(GW-SW) [Sand and gravel subbase.]	2	GW-SW		
4	(SW) [Sand, some gravel, medium - coarse grained, dry, no stains, no odors, black.]		SW		
6	[Peat, soft, moist, organic, no stains, no odors, black.]	6			
8	(CL-ML) [Clayey Silt, soft, moist - wet, increasing moisture with depth, moderate plasticity, some black staining and faint odor from 15-18', gray.]	7.5			
10					
12					
14					
16					
18		18			

REMARKS:  
TS-VAS-023. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

WELL INSTALLATION NOTES:  
Prepacked Screen Monitoring Well



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-023B**

ERM PROJECT # 0441161

SHEET 1 OF 1

DRILLING CONTRACTOR: EnviroDynamics  
Hebron, IN  
DRILLING FOREMAN: Toben Mielenz  
DRILLING METHOD: Direct Push  
DRILLING EQUIPMENT: Geoprobe

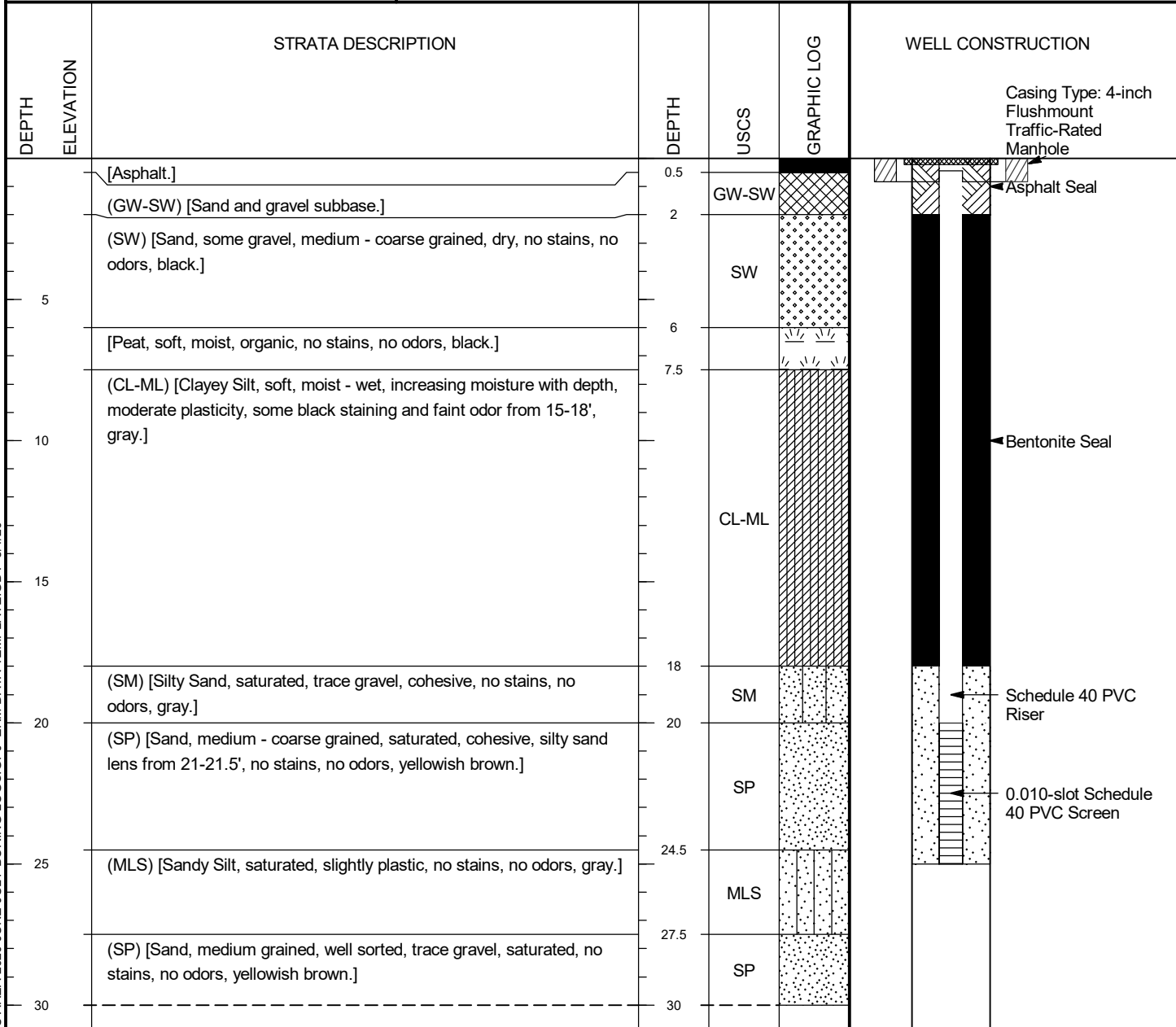
ERM REPRESENTATIVE: Chris Burrows  
OFFICE LOCATION: Indianapolis, IN  
DATE: START: 06/30/2020  
FINISH: 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser: Schedule 40 PVC, 1-inch, Threaded  
Screen: Schedule 40 PVC, 0.010-slot 1-inch, Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 0.25 hours  
Gals. Purged: 2

WELL CONSTRUCTION EDC AREA 2020 JUN-E-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20



REMARKS:  
TS-VAS-023. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL. Refer to the analytical tables for a full listing of results and qualifiers.

WELL INSTALLATION NOTES:  
Prepacked Screen Monitoring Well



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-024**

ERM PROJECT # 0441161

SHEET 1 OF 2

DRILLING CONTRACTOR Cascade Drilling  
Wausau, WI  
DRILLING FOREMAN Ben Price  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/30/2020  
FINISH 06/30/2020

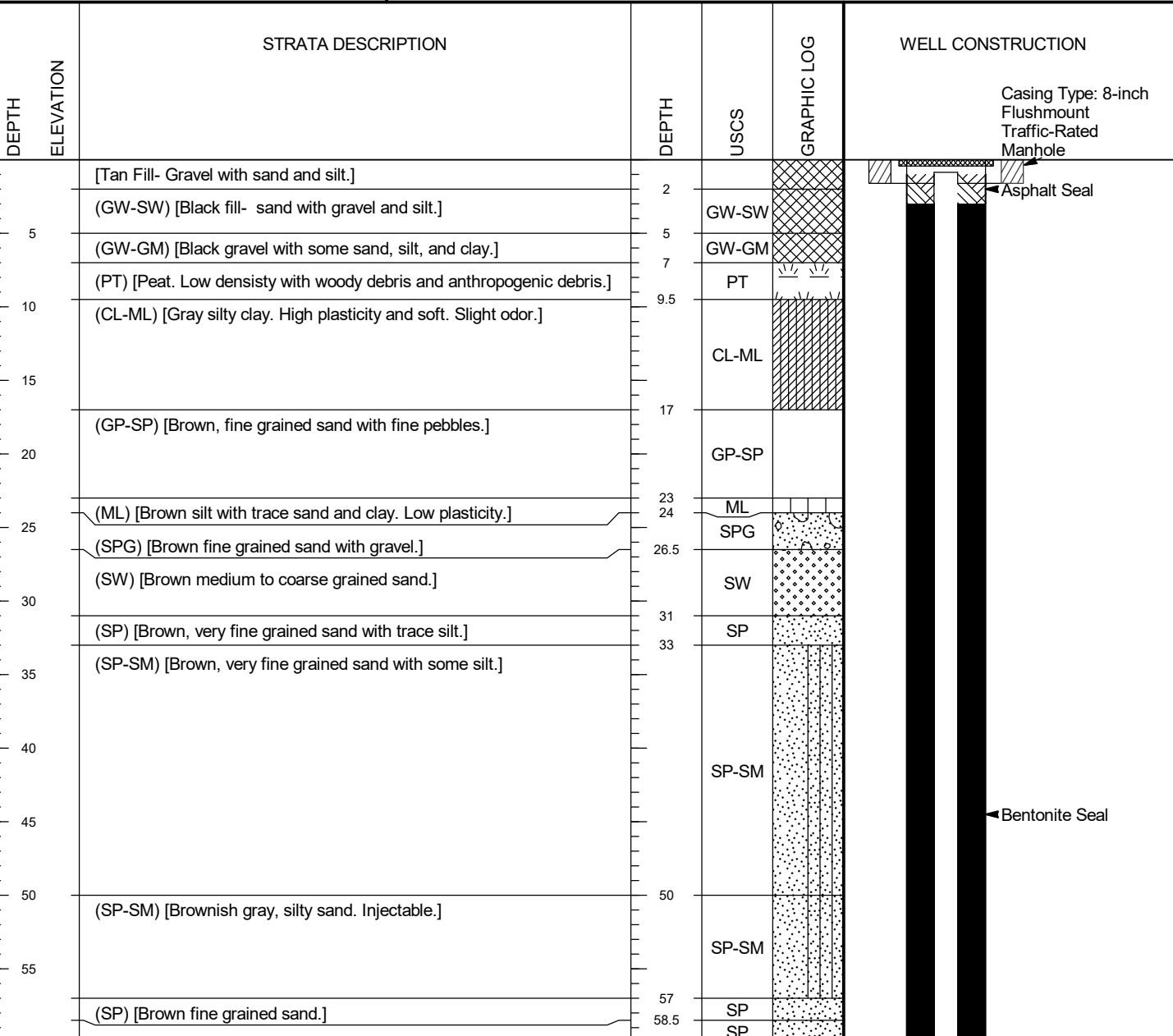
GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION	
Riser	Screen
Material: <i>Schedule 40 PVC</i>	<i>Schedule 40 PVC, 0.010-slot</i>
Diameter (ID): <i>2-inch</i>	<i>2-inch</i>
Coupling: <i>Threaded</i>	<i>Threaded</i>

WELL DEVELOPMENT  
Method: *Overpumping*  
Duration: *1.25 hours*  
Gals. Purged: *75*

Well Permit #: *No permit required.*

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20



REMARKS:  
TS-VAS-024. The formation is not very injectable after approximately 100 feet bgs. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL.

WELL INSTALLATION NOTES:



PROJECT:  
910 Mayer LLC.  
Former Oscar-Mayer Plant

BORING # **TS-MW-024**

ERM PROJECT # 0441161

SHEET 2 OF 2

DRILLING CONTRACTOR Cascade Drilling  
Wausau, WI  
DRILLING FOREMAN Ben Price  
DRILLING METHOD Sonic  
DRILLING EQUIPMENT Sonic - Truck Mounted

ERM REPRESENTATIVE Ryan Plath  
OFFICE LOCATION Milwaukee, WI  
DATE: START 06/30/2020  
FINISH 06/30/2020

GEOGRAPHIC COORDINATES  
( )  
NORTHING  
EASTING  
ELEVATION

WELL CONSTRUCTION  
Riser Screen  
Material: Schedule 40 PVC Schedule 40 PVC, 0.010-slot  
Diameter (ID): 2-inch 2-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

WELL DEVELOPMENT  
Method: Overpumping  
Duration: 1.25 hours  
Gals. Purged: 75

WELL CONSTRUCTION EDC AREA 2020 JUNE-JULY BORING LOGS.GPJ ERM DATA TEMPLATE.GDT 8/4/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	WELL CONSTRUCTION
65	(SP) [Brown, medium grained, well sorted sand.](Continued)		SP		<p>Schedule 40 PVC Riser</p> <p>0.010-slot Schedule 40 PVC Screen</p>
70					
75	(SP) [Brown, fine grained sand.]	75	SP		
80					
85	(MLS) [Brown sandy silt.]	85	MLS		
90					
91	(SP-SM) [Brown fine grained sand with silt.]	91	SP-SM		
93					
95	(MLS) [Brown sandy silt.]	95	MLS		
99	(SP-SM) [Brown, very fine grained, silty sand.]	99	SP-SM		
101					
101.5	(SP-SM) [Brown, very fine grained silty sand.]	101.5	SP-SM		
104.5	(MLS) [Brown sandy silt.]	104.5	MLS		
105.5	(SP-SM) [Brown silty sand.]	105.5	SP-SM		
110	(MH) [Brown silt with some clay and trace sand.]	110	MH		
115					

REMARKS:  
TS-VAS-024. The formation is not very injectable after approximately 100 feet bgs. Laboratory Analytical Results listed are exceedances of groundwater ES and soil Non-Industrial Direct Contact RCL.

WELL INSTALLATION NOTES:





3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

**PROJECT:**

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

**BORING # TS-VAS-26**

ERM PROJECT # 0441161  
SHEET 1 OF 1

**DRILLING CONTRACTOR** EnviroDynamics  
New Hebron, IN  
**DRILLING FOREMAN** Rob Mores  
**DRILLING METHOD** Direct Push  
**DRILLING EQUIPMENT** Geoprobe 6600

**ERM REPRESENTATIVE** Chris Burrows  
**OFFICE LOCATION** Indianapolis, IN  
**DATE: START** 07/22/2020  
**FINISH** 07/22/2020

**GEOGRAPHIC COORDINATES**  
( )  
**NORTHING**  
**EASTING**  
Elevation/Top of Casing Elev /

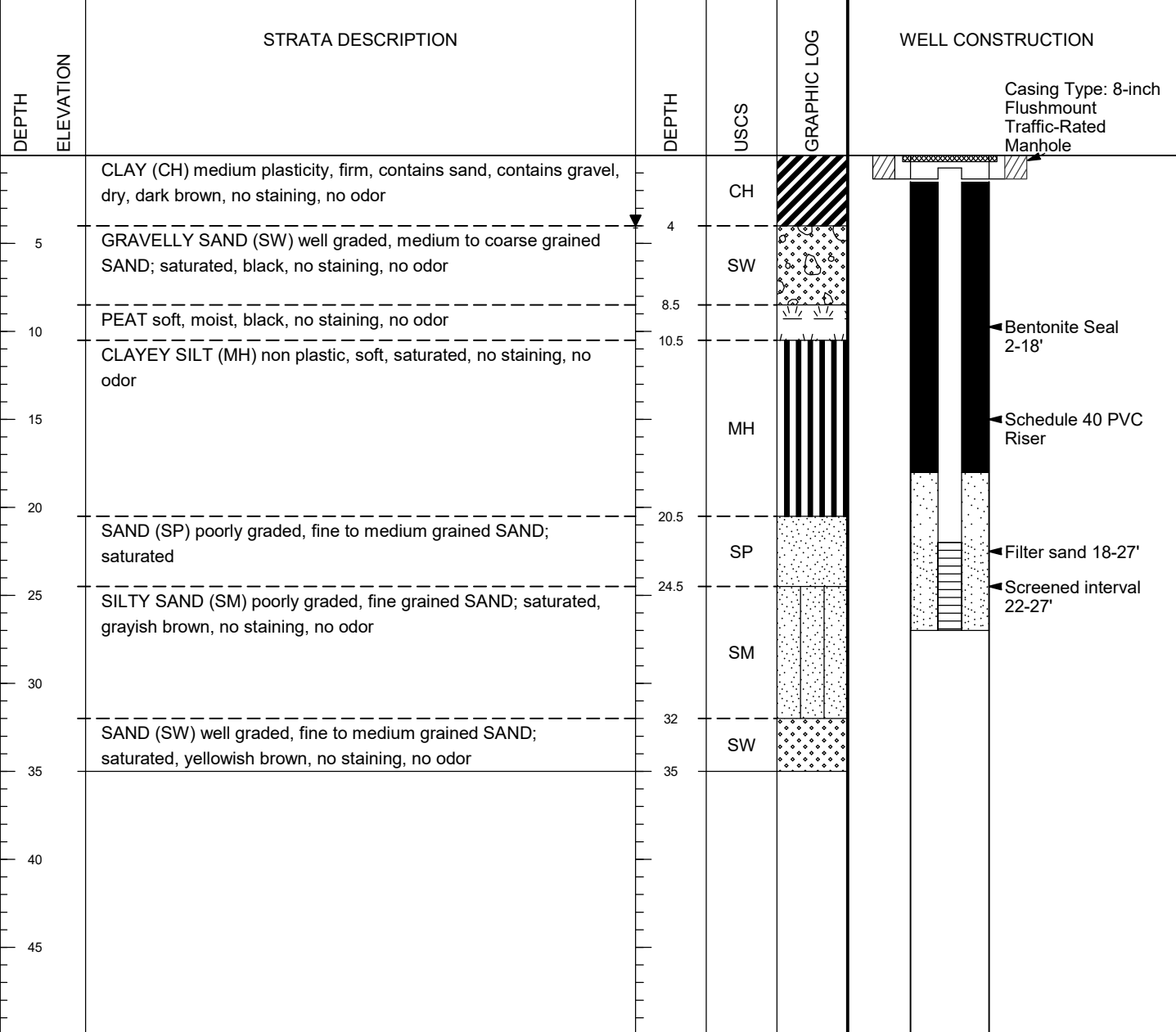
**WELL CONSTRUCTION**

	Riser	Screen
Material:	Schedule 40 PVC	Schedule 40 PVC, 0.020-slot
Diameter (ID):	1-inch	1-inch
Coupling:	Threaded	Threaded

Well Permit #: No permit required.

**WELL DEVELOPMENT**  
Method: Overpumping  
Duration:  
Gals. Purged: 2

WELL CONSTRUCTION - 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/11/20



REMARKS:

WELL INSTALLATION NOTES:



3352 128th Avenue  
Holland, MI 49424  
P: 616-399-3500

**PROJECT:**

Reich Brothers, LLC  
910 Mayer - Former EDC Tank Investigation  
910 Mayer, Madison, WI

**BORING # TS-VAS-27**

ERM PROJECT # 0441161  
SHEET 1 OF 1

**DRILLING CONTRACTOR** EnviroDynamics  
New Hebron, IN  
**DRILLING FOREMAN** Rob Mores  
**DRILLING METHOD** Direct Push  
**DRILLING EQUIPMENT** Geoprobe 6600

**ERM REPRESENTATIVE** Chris Burrows  
**OFFICE LOCATION** Indianapolis, IN  
**DATE: START** 07/22/2020  
**FINISH** 07/22/2020

**GEOGRAPHIC COORDINATES**  
( )  
**NORTHING**  
**EASTING**  
Elevation/Top of Casing Elev /

**WELL CONSTRUCTION**  
Riser Screen  
Material: Schedule 40 PVC Schedule 40 PVC, 0.020-slot  
Diameter (ID): 1-inch 1-inch  
Coupling: Threaded Threaded  
Well Permit #: No permit required.

**WELL DEVELOPMENT**  
Method: Overpumping  
Duration:  
Gals. Purged: 2

WELL CONSTRUCTION - 910 MAYER - FORMER EDC TANK INVESTIGATION.GPJ ERM DATA TEMPLATE.GDT 8/11/20

DEPTH ELEVATION	STRATA DESCRIPTION	DEPTH	USCS	GRAPHIC LOG	WELL CONSTRUCTION
5	Dry, no staining, no odor	5			<p>Casing Type: 8-inch Flushmount Traffic-Rated Manhole</p> <p>Bentonite Seal 2-21'</p> <p>Schedule 40 PVC Riser</p> <p>Filter sand 21-30'</p> <p>0.020-slot Schedule 40 PVC Screen</p>
10	GRAVEL (GW) angular, saturated, no staining, no odor	10	GW		
15	SILTY CLAY (CL-ML) soft, saturated to moist, gray, no staining, no odor	14	CL-ML		
20	SAND (SW) well graded, fine to medium grained SAND; saturated, yellowish brown, no staining, no odor	20	SW		
25	SILTY SAND (SM) poorly graded, fine grained SAND; saturated, yellowish brown, no staining, no odor	24	SM		
30	SANDY SILT (MLS)	29	MLS		
35	(SW)	31	SW		

**REMARKS:**

**WELL INSTALLATION NOTES:**

---

**APPENDIX B      LABORATORY ANALYTICAL RESULTS**

July 16, 2020

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

Dear David deCourcy-Bower:

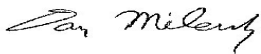
Enclosed are the analytical results for sample(s) received by the laboratory on July 01, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Andrew DeWitt, ERM, Inc.  
Morgan Johnson, ERM, INC.  
Paul Sterkenburg, ERM, INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40210424001	TS-MW-17A-20200630	Water	06/30/20 11:35	07/01/20 09:05
40210424002	TS-MW-17B-20200630	Water	06/30/20 14:05	07/01/20 09:05
40210424003	TRIP BLANK	Water	06/30/20 00:00	07/01/20 09:05

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40210424001	TS-MW-17A-20200630	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 9060	TJJ	5	PASI-G
40210424002	TS-MW-17B-20200630	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 9060	TJJ	5	PASI-G
40210424003	TRIP BLANK	EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TS-MW-17A-20200630**      **Lab ID: 40210424001**      Collected: 06/30/20 11:35      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	397	ug/L	5.6	1.2	1		07/14/20 09:22	74-84-0	
Ethene	8210	ug/L	200	48.0	40		07/14/20 10:18	74-85-1	
Methane	278	ug/L	2.8	0.66	1		07/14/20 09:22	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Iron	6590	ug/L	117	35.2	1	07/02/20 05:55	07/02/20 15:51	7439-89-6	
Manganese	321	ug/L	5.1	1.5	1	07/02/20 05:55	07/02/20 15:51	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010 Pace Analytical Services - Green Bay									
Iron, Dissolved	6250	ug/L	100	29.6	1		07/14/20 15:10	7439-89-6	
Manganese, Dissolved	303	ug/L	5.0	1.1	1		07/14/20 15:10	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<5.4	ug/L	20.0	5.4	20		07/07/20 14:24	630-20-6	
1,1,1-Trichloroethane	<4.9	ug/L	20.0	4.9	20		07/07/20 14:24	71-55-6	
1,1,2,2-Tetrachloroethane	<5.5	ug/L	20.0	5.5	20		07/07/20 14:24	79-34-5	
1,1,2-Trichloroethane	<11.0	ug/L	100	11.0	20		07/07/20 14:24	79-00-5	
1,1-Dichloroethane	<5.5	ug/L	20.0	5.5	20		07/07/20 14:24	75-34-3	
1,1-Dichloroethene	<4.9	ug/L	20.0	4.9	20		07/07/20 14:24	75-35-4	
1,1-Dichloropropene	<10.8	ug/L	36.0	10.8	20		07/07/20 14:24	563-58-6	
1,2,3-Trichlorobenzene	<44.2	ug/L	147	44.2	20		07/07/20 14:24	87-61-6	
1,2,3-Trichloropropane	<11.8	ug/L	100	11.8	20		07/07/20 14:24	96-18-4	
1,2,4-Trichlorobenzene	<19.0	ug/L	100	19.0	20		07/07/20 14:24	120-82-1	
1,2,4-Trimethylbenzene	<16.8	ug/L	56.0	16.8	20		07/07/20 14:24	95-63-6	
1,2-Dibromo-3-chloropropane	<35.3	ug/L	118	35.3	20		07/07/20 14:24	96-12-8	
1,2-Dibromoethane (EDB)	<16.6	ug/L	55.3	16.6	20		07/07/20 14:24	106-93-4	
1,2-Dichlorobenzene	<14.1	ug/L	47.0	14.1	20		07/07/20 14:24	95-50-1	
1,2-Dichloroethane	1130	ug/L	20.0	5.6	20		07/07/20 14:24	107-06-2	
1,2-Dichloropropane	<5.7	ug/L	20.0	5.7	20		07/07/20 14:24	78-87-5	
1,3,5-Trimethylbenzene	<17.5	ug/L	58.2	17.5	20		07/07/20 14:24	108-67-8	
1,3-Dichlorobenzene	<12.6	ug/L	41.9	12.6	20		07/07/20 14:24	541-73-1	
1,3-Dichloropropane	<16.5	ug/L	55.1	16.5	20		07/07/20 14:24	142-28-9	
1,4-Dichlorobenzene	<18.9	ug/L	62.9	18.9	20		07/07/20 14:24	106-46-7	
2,2-Dichloropropane	<45.3	ug/L	151	45.3	20		07/07/20 14:24	594-20-7	
2-Chlorotoluene	<18.5	ug/L	100	18.5	20		07/07/20 14:24	95-49-8	
4-Chlorotoluene	<15.1	ug/L	50.4	15.1	20		07/07/20 14:24	106-43-4	
Benzene	<4.9	ug/L	20.0	4.9	20		07/07/20 14:24	71-43-2	
Bromobenzene	<4.8	ug/L	20.0	4.8	20		07/07/20 14:24	108-86-1	
Bromochloromethane	<7.2	ug/L	100	7.2	20		07/07/20 14:24	74-97-5	
Bromodichloromethane	<7.3	ug/L	24.2	7.3	20		07/07/20 14:24	75-27-4	
Bromoform	<79.4	ug/L	265	79.4	20		07/07/20 14:24	75-25-2	
Bromomethane	<19.4	ug/L	100	19.4	20		07/07/20 14:24	74-83-9	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample:** TS-MW-17A-20200630    **Lab ID:** 40210424001    Collected: 06/30/20 11:35    Received: 07/01/20 09:05    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<21.5	ug/L	71.8	21.5	20		07/07/20 14:24	56-23-5	
Chlorobenzene	<14.2	ug/L	47.4	14.2	20		07/07/20 14:24	108-90-7	
Chloroethane	<26.8	ug/L	100	26.8	20		07/07/20 14:24	75-00-3	
Chloroform	<25.5	ug/L	100	25.5	20		07/07/20 14:24	67-66-3	
Chloromethane	<43.8	ug/L	146	43.8	20		07/07/20 14:24	74-87-3	
Dibromochloromethane	<52.0	ug/L	173	52.0	20		07/07/20 14:24	124-48-1	
Dibromomethane	<18.7	ug/L	62.5	18.7	20		07/07/20 14:24	74-95-3	
Dichlorodifluoromethane	<10	ug/L	100	10	20		07/07/20 14:24	75-71-8	
Diisopropyl ether	<37.8	ug/L	126	37.8	20		07/07/20 14:24	108-20-3	
Ethylbenzene	<6.4	ug/L	21.2	6.4	20		07/07/20 14:24	100-41-4	
Hexachloro-1,3-butadiene	<29.3	ug/L	97.6	29.3	20		07/07/20 14:24	87-68-3	
Isopropylbenzene (Cumene)	<33.7	ug/L	112	33.7	20		07/07/20 14:24	98-82-8	
Methyl-tert-butyl ether	<24.9	ug/L	83.1	24.9	20		07/07/20 14:24	1634-04-4	
Methylene Chloride	<11.6	ug/L	100	11.6	20		07/07/20 14:24	75-09-2	
Naphthalene	<23.5	ug/L	100	23.5	20		07/07/20 14:24	91-20-3	
Styrene	<60.2	ug/L	201	60.2	20		07/07/20 14:24	100-42-5	
Tetrachloroethene	<6.5	ug/L	21.8	6.5	20		07/07/20 14:24	127-18-4	
Toluene	<5.4	ug/L	18.0	5.4	20		07/07/20 14:24	108-88-3	
Trichloroethene	<5.1	ug/L	20.0	5.1	20		07/07/20 14:24	79-01-6	
Trichlorofluoromethane	<4.3	ug/L	20.0	4.3	20		07/07/20 14:24	75-69-4	
Vinyl chloride	9.6J	ug/L	20.0	3.5	20		07/07/20 14:24	75-01-4	
cis-1,2-Dichloroethene	<5.4	ug/L	20.0	5.4	20		07/07/20 14:24	156-59-2	
cis-1,3-Dichloropropene	<72.6	ug/L	242	72.6	20		07/07/20 14:24	10061-01-5	
m&p-Xylene	<9.3	ug/L	40.0	9.3	20		07/07/20 14:24	179601-23-1	
n-Butylbenzene	<14.2	ug/L	47.2	14.2	20		07/07/20 14:24	104-51-8	
n-Propylbenzene	<16.2	ug/L	100	16.2	20		07/07/20 14:24	103-65-1	
o-Xylene	<5.2	ug/L	20.0	5.2	20		07/07/20 14:24	95-47-6	
p-Isopropyltoluene	<16.0	ug/L	53.3	16.0	20		07/07/20 14:24	99-87-6	
sec-Butylbenzene	<17.0	ug/L	100	17.0	20		07/07/20 14:24	135-98-8	
tert-Butylbenzene	<6.1	ug/L	20.3	6.1	20		07/07/20 14:24	98-06-6	
trans-1,2-Dichloroethene	<9.3	ug/L	30.9	9.3	20		07/07/20 14:24	156-60-5	
trans-1,3-Dichloropropene	<87.4	ug/L	291	87.4	20		07/07/20 14:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		20		07/07/20 14:24	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		20		07/07/20 14:24	1868-53-7	
Toluene-d8 (S)	99	%	70-130		20		07/07/20 14:24	2037-26-5	

**2320B Alkalinity**

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	617	mg/L	10.0	5.0	1		07/02/20 17:57		
Alkalinity,Bicarbonate (CaCO3)	617	mg/L	10.0	5.0	1		07/02/20 17:57		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/02/20 17:57		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TS-MW-17A-20200630**      **Lab ID: 40210424001**      Collected: 06/30/20 11:35      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>1130</b>	mg/L	20.0	8.7	1		07/06/20 11:07		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Nitrate as N	<b>&lt;0.044</b>	mg/L	0.15	0.044	1		07/01/20 23:49	14797-55-8	
Sulfate	<b>33.1</b>	mg/L	2.0	0.44	1		07/01/20 23:49	14808-79-8	
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>7.8</b>	mg/L	3.0	0.51	6		07/13/20 13:01	7440-44-0	
Total Organic Carbon	<b>7.7</b>	mg/L	3.0	0.51	6		07/13/20 13:01	7440-44-0	
Total Organic Carbon	<b>7.8</b>	mg/L	3.0	0.51	6		07/13/20 13:01	7440-44-0	
Total Organic Carbon	<b>7.8</b>	mg/L	3.0	0.51	6		07/13/20 13:01	7440-44-0	
Mean Total Organic Carbon	<b>7.7</b>	mg/L	3.0	0.51	6		07/13/20 13:01	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TS-MW-17B-20200630**      **Lab ID: 40210424002**      Collected: 06/30/20 14:05      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		07/14/20 10:12	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		07/14/20 10:12	74-85-1	
Methane	31.9	ug/L	2.8	0.66	1		07/14/20 10:12	74-82-8	M1,R1
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010      Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Iron	4010	ug/L	117	35.2	1	07/02/20 05:55	07/02/20 15:53	7439-89-6	
Manganese	77.6	ug/L	5.1	1.5	1	07/02/20 05:55	07/02/20 15:53	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010 Pace Analytical Services - Green Bay									
Iron, Dissolved	3570	ug/L	100	29.6	1		07/14/20 15:13	7439-89-6	
Manganese, Dissolved	45.4	ug/L	5.0	1.1	1		07/14/20 15:13	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.5	ug/L	50.0	13.5	50		07/02/20 12:19	630-20-6	
1,1,1-Trichloroethane	<12.2	ug/L	50.0	12.2	50		07/02/20 12:19	71-55-6	
1,1,2,2-Tetrachloroethane	<13.8	ug/L	50.0	13.8	50		07/02/20 12:19	79-34-5	
1,1,2-Trichloroethane	<27.6	ug/L	250	27.6	50		07/02/20 12:19	79-00-5	
1,1-Dichloroethane	<13.6	ug/L	50.0	13.6	50		07/02/20 12:19	75-34-3	
1,1-Dichloroethene	<12.2	ug/L	50.0	12.2	50		07/02/20 12:19	75-35-4	
1,1-Dichloropropene	<27.0	ug/L	90.0	27.0	50		07/02/20 12:19	563-58-6	
1,2,3-Trichlorobenzene	<111	ug/L	368	111	50		07/02/20 12:19	87-61-6	
1,2,3-Trichloropropane	<29.5	ug/L	250	29.5	50		07/02/20 12:19	96-18-4	
1,2,4-Trichlorobenzene	<47.6	ug/L	250	47.6	50		07/02/20 12:19	120-82-1	
1,2,4-Trimethylbenzene	<42.0	ug/L	140	42.0	50		07/02/20 12:19	95-63-6	
1,2-Dibromo-3-chloropropane	<88.2	ug/L	294	88.2	50		07/02/20 12:19	96-12-8	
1,2-Dibromoethane (EDB)	<41.5	ug/L	138	41.5	50		07/02/20 12:19	106-93-4	
1,2-Dichlorobenzene	<35.3	ug/L	118	35.3	50		07/02/20 12:19	95-50-1	
1,2-Dichloroethane	5300	ug/L	50.0	14.0	50		07/02/20 12:19	107-06-2	
1,2-Dichloropropane	<14.1	ug/L	50.0	14.1	50		07/02/20 12:19	78-87-5	
1,3,5-Trimethylbenzene	<43.7	ug/L	146	43.7	50		07/02/20 12:19	108-67-8	
1,3-Dichlorobenzene	<31.4	ug/L	105	31.4	50		07/02/20 12:19	541-73-1	
1,3-Dichloropropane	<41.3	ug/L	138	41.3	50		07/02/20 12:19	142-28-9	
1,4-Dichlorobenzene	<47.2	ug/L	157	47.2	50		07/02/20 12:19	106-46-7	
2,2-Dichloropropane	<113	ug/L	378	113	50		07/02/20 12:19	594-20-7	
2-Chlorotoluene	<46.3	ug/L	250	46.3	50		07/02/20 12:19	95-49-8	
4-Chlorotoluene	<37.8	ug/L	126	37.8	50		07/02/20 12:19	106-43-4	
Benzene	<12.3	ug/L	50.0	12.3	50		07/02/20 12:19	71-43-2	
Bromobenzene	<12.1	ug/L	50.0	12.1	50		07/02/20 12:19	108-86-1	
Bromochloromethane	<18.1	ug/L	250	18.1	50		07/02/20 12:19	74-97-5	
Bromodichloromethane	<18.2	ug/L	60.6	18.2	50		07/02/20 12:19	75-27-4	
Bromoform	<199	ug/L	662	199	50		07/02/20 12:19	75-25-2	
Bromomethane	<48.6	ug/L	250	48.6	50		07/02/20 12:19	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TS-MW-17B-20200630**      **Lab ID: 40210424002**      Collected: 06/30/20 14:05      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<53.8	ug/L	179	53.8	50		07/02/20 12:19	56-23-5	
Chlorobenzene	<35.5	ug/L	118	35.5	50		07/02/20 12:19	108-90-7	
Chloroethane	<67.1	ug/L	250	67.1	50		07/02/20 12:19	75-00-3	
Chloroform	<63.7	ug/L	250	63.7	50		07/02/20 12:19	67-66-3	
Chloromethane	<109	ug/L	365	109	50		07/02/20 12:19	74-87-3	
Dibromochloromethane	<130	ug/L	434	130	50		07/02/20 12:19	124-48-1	
Dibromomethane	<46.8	ug/L	156	46.8	50		07/02/20 12:19	74-95-3	
Dichlorodifluoromethane	<25.0	ug/L	250	25.0	50		07/02/20 12:19	75-71-8	
Diisopropyl ether	<94.4	ug/L	315	94.4	50		07/02/20 12:19	108-20-3	
Ethylbenzene	<15.9	ug/L	53.1	15.9	50		07/02/20 12:19	100-41-4	
Hexachloro-1,3-butadiene	<73.1	ug/L	244	73.1	50		07/02/20 12:19	87-68-3	
Isopropylbenzene (Cumene)	<84.3	ug/L	281	84.3	50		07/02/20 12:19	98-82-8	
Methyl-tert-butyl ether	<62.3	ug/L	208	62.3	50		07/02/20 12:19	1634-04-4	
Methylene Chloride	<29.0	ug/L	250	29.0	50		07/02/20 12:19	75-09-2	
Naphthalene	<58.8	ug/L	250	58.8	50		07/02/20 12:19	91-20-3	
Styrene	<150	ug/L	502	150	50		07/02/20 12:19	100-42-5	
Tetrachloroethene	<16.3	ug/L	54.4	16.3	50		07/02/20 12:19	127-18-4	
Toluene	<13.5	ug/L	44.9	13.5	50		07/02/20 12:19	108-88-3	
Trichloroethene	<12.8	ug/L	50.0	12.8	50		07/02/20 12:19	79-01-6	
Trichlorofluoromethane	<10.7	ug/L	50.0	10.7	50		07/02/20 12:19	75-69-4	
Vinyl chloride	<8.7	ug/L	50.0	8.7	50		07/02/20 12:19	75-01-4	
cis-1,2-Dichloroethene	<13.6	ug/L	50.0	13.6	50		07/02/20 12:19	156-59-2	
cis-1,3-Dichloropropene	<181	ug/L	605	181	50		07/02/20 12:19	10061-01-5	
m&p-Xylene	<23.3	ug/L	100	23.3	50		07/02/20 12:19	179601-23-1	
n-Butylbenzene	<35.4	ug/L	118	35.4	50		07/02/20 12:19	104-51-8	
n-Propylbenzene	<40.5	ug/L	250	40.5	50		07/02/20 12:19	103-65-1	
o-Xylene	<13.1	ug/L	50.0	13.1	50		07/02/20 12:19	95-47-6	
p-Isopropyltoluene	<40.0	ug/L	133	40.0	50		07/02/20 12:19	99-87-6	
sec-Butylbenzene	<42.4	ug/L	250	42.4	50		07/02/20 12:19	135-98-8	
tert-Butylbenzene	<15.2	ug/L	50.6	15.2	50		07/02/20 12:19	98-06-6	
trans-1,2-Dichloroethene	<23.2	ug/L	77.4	23.2	50		07/02/20 12:19	156-60-5	
trans-1,3-Dichloropropene	<219	ug/L	728	219	50		07/02/20 12:19	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		50		07/02/20 12:19	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		50		07/02/20 12:19	1868-53-7	
Toluene-d8 (S)	94	%	70-130		50		07/02/20 12:19	2037-26-5	

**2320B Alkalinity**

Analytical Method: SM 2320B  
Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	339	mg/L	10.0	5.0	1		07/02/20 18:11		
Alkalinity,Bicarbonate (CaCO3)	339	mg/L	10.0	5.0	1		07/02/20 18:11		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/02/20 18:11		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TS-MW-17B-20200630**      **Lab ID: 40210424002**      Collected: 06/30/20 14:05      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>6130</b>	mg/L	40.0	17.3	1		07/08/20 18:13		H5
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Nitrate as N	<b>&lt;0.044</b>	mg/L	0.15	0.044	1		07/02/20 00:04	14797-55-8	
Sulfate	<b>191</b>	mg/L	20.0	4.4	10		07/02/20 11:27	14808-79-8	
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.7</b>	mg/L	0.50	0.085	1		07/13/20 14:13	7440-44-0	
Total Organic Carbon	<b>1.6</b>	mg/L	0.50	0.085	1		07/13/20 14:13	7440-44-0	
Total Organic Carbon	<b>1.6</b>	mg/L	0.50	0.085	1		07/13/20 14:13	7440-44-0	
Total Organic Carbon	<b>1.6</b>	mg/L	0.50	0.085	1		07/13/20 14:13	7440-44-0	
Mean Total Organic Carbon	<b>1.6</b>	mg/L	0.50	0.085	1		07/13/20 14:13	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TRIP BLANK**      **Lab ID: 40210424003**      Collected: 06/30/20 00:00      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/02/20 17:16	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/02/20 17:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/02/20 17:16	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/02/20 17:16	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/02/20 17:16	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/02/20 17:16	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/02/20 17:16	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/02/20 17:16	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/02/20 17:16	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/02/20 17:16	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/02/20 17:16	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/02/20 17:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/02/20 17:16	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/02/20 17:16	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/02/20 17:16	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/02/20 17:16	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/02/20 17:16	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/02/20 17:16	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/02/20 17:16	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/02/20 17:16	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/02/20 17:16	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/02/20 17:16	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/02/20 17:16	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/02/20 17:16	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/02/20 17:16	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/02/20 17:16	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/02/20 17:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/02/20 17:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/02/20 17:16	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/02/20 17:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/02/20 17:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/02/20 17:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/02/20 17:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/02/20 17:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/02/20 17:16	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/02/20 17:16	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/02/20 17:16	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/02/20 17:16	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/02/20 17:16	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/02/20 17:16	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/02/20 17:16	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/02/20 17:16	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/02/20 17:16	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/02/20 17:16	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/02/20 17:16	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

**Sample: TRIP BLANK**      **Lab ID: 40210424003**      Collected: 06/30/20 00:00      Received: 07/01/20 09:05      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/02/20 17:16	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/02/20 17:16	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/02/20 17:16	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/02/20 17:16	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/02/20 17:16	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/02/20 17:16	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/02/20 17:16	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/02/20 17:16	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/02/20 17:16	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/02/20 17:16	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/02/20 17:16	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/02/20 17:16	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/02/20 17:16	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/02/20 17:16	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/02/20 17:16	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/02/20 17:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/02/20 17:16	460-00-4	HS
Dibromofluoromethane (S)	107	%	70-130		1		07/02/20 17:16	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		07/02/20 17:16	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

QC Batch: 360077 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40210424001, 40210424002

METHOD BLANK: 2082036 Matrix: Water  
Associated Lab Samples: 40210424001, 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	07/14/20 08:46	
Ethene	ug/L	<1.2	5.0	07/14/20 08:46	
Methane	ug/L	<0.66	2.8	07/14/20 08:46	

LABORATORY CONTROL SAMPLE & LCSD: 2082037

Parameter	Units	2082038								Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD			
Ethane	ug/L	53.6	50.9	50.3	95	94	80-120	1	20		
Ethene	ug/L	50	46.9	46.2	94	92	80-120	1	20		
Methane	ug/L	28.6	27.3	27.3	96	95	79-120	0	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2082134 2082135

Parameter	Units	2082134										Max RPD	Qual
		40210424002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD			
Ethane	ug/L	<1.2	53.6	53.6	48.2	51.1	90	95	79-120	6	20		
Ethene	ug/L	<1.2	50	50	45.2	47.6	90	95	79-120	5	20		
Methane	ug/L	31.9	28.6	28.6	72.8	95.9	143	224	10-200	27	20	M1,R1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

QC Batch: 360133	Analysis Method: EPA 6010
QC Batch Method: EPA 6010	Analysis Description: ICP Metals, Trace, Dissolved
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001, 40210424002

METHOD BLANK: 2082245 Matrix: Water

Associated Lab Samples: 40210424001, 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<29.6	100	07/14/20 14:29	
Manganese, Dissolved	ug/L	<1.1	5.0	07/14/20 14:29	

LABORATORY CONTROL SAMPLE: 2082246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	5090	102	80-120	
Manganese, Dissolved	ug/L	500	485	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2082247 2082248

Parameter	Units	40210724001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	0.11 mg/L	5000	5000	5100	5090	100	100	75-125	0	20	
Manganese, Dissolved	ug/L	345	500	500	816	810	94	93	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

QC Batch: 359226

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001, 40210424002

METHOD BLANK: 2077645

Matrix: Water

Associated Lab Samples: 40210424001, 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<35.2	117	07/02/20 14:50	
Manganese	ug/L	<1.5	5.1	07/02/20 14:50	

LABORATORY CONTROL SAMPLE: 2077646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	5110	102	80-120	
Manganese	ug/L	500	522	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2077647 2077648

Parameter	Units	40210403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	26300	5000	5000	30100	31100	76	96	75-125	3	20	
Manganese	ug/L	1810	500	500	2220	2390	82	117	75-125	8	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

QC Batch: 359172 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424002, 40210424003

METHOD BLANK: 2077326 Matrix: Water

Associated Lab Samples: 40210424002, 40210424003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/02/20 08:15	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/02/20 08:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/02/20 08:15	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/02/20 08:15	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/02/20 08:15	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/02/20 08:15	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/02/20 08:15	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/02/20 08:15	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/02/20 08:15	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/02/20 08:15	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/02/20 08:15	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/02/20 08:15	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/02/20 08:15	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/02/20 08:15	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/02/20 08:15	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/02/20 08:15	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/02/20 08:15	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/02/20 08:15	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/02/20 08:15	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/02/20 08:15	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/02/20 08:15	
2-Chlorotoluene	ug/L	<0.93	5.0	07/02/20 08:15	
4-Chlorotoluene	ug/L	<0.76	2.5	07/02/20 08:15	
Benzene	ug/L	<0.25	1.0	07/02/20 08:15	
Bromobenzene	ug/L	<0.24	1.0	07/02/20 08:15	
Bromochloromethane	ug/L	<0.36	5.0	07/02/20 08:15	
Bromodichloromethane	ug/L	<0.36	1.2	07/02/20 08:15	
Bromoform	ug/L	<4.0	13.2	07/02/20 08:15	
Bromomethane	ug/L	<0.97	5.0	07/02/20 08:15	
Carbon tetrachloride	ug/L	<1.1	3.6	07/02/20 08:15	
Chlorobenzene	ug/L	<0.71	2.4	07/02/20 08:15	
Chloroethane	ug/L	<1.3	5.0	07/02/20 08:15	
Chloroform	ug/L	<1.3	5.0	07/02/20 08:15	
Chloromethane	ug/L	<2.2	7.3	07/02/20 08:15	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/02/20 08:15	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/02/20 08:15	
Dibromochloromethane	ug/L	<2.6	8.7	07/02/20 08:15	
Dibromomethane	ug/L	<0.94	3.1	07/02/20 08:15	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/02/20 08:15	
Diisopropyl ether	ug/L	<1.9	6.3	07/02/20 08:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

METHOD BLANK: 2077326 Matrix: Water  
Associated Lab Samples: 40210424002, 40210424003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	07/02/20 08:15	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/02/20 08:15	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/02/20 08:15	
m&p-Xylene	ug/L	<0.47	2.0	07/02/20 08:15	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/02/20 08:15	
Methylene Chloride	ug/L	<0.58	5.0	07/02/20 08:15	
n-Butylbenzene	ug/L	<0.71	2.4	07/02/20 08:15	
n-Propylbenzene	ug/L	<0.81	5.0	07/02/20 08:15	
Naphthalene	ug/L	<1.2	5.0	07/02/20 08:15	
o-Xylene	ug/L	<0.26	1.0	07/02/20 08:15	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/02/20 08:15	
sec-Butylbenzene	ug/L	<0.85	5.0	07/02/20 08:15	
Styrene	ug/L	<3.0	10.0	07/02/20 08:15	
tert-Butylbenzene	ug/L	<0.30	1.0	07/02/20 08:15	
Tetrachloroethene	ug/L	<0.33	1.1	07/02/20 08:15	
Toluene	ug/L	<0.27	0.90	07/02/20 08:15	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/02/20 08:15	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/02/20 08:15	
Trichloroethene	ug/L	<0.26	1.0	07/02/20 08:15	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/02/20 08:15	
Vinyl chloride	ug/L	<0.17	1.0	07/02/20 08:15	
4-Bromofluorobenzene (S)	%	88	70-130	07/02/20 08:15	
Dibromofluoromethane (S)	%	101	70-130	07/02/20 08:15	
Toluene-d8 (S)	%	95	70-130	07/02/20 08:15	

LABORATORY CONTROL SAMPLE: 2077327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.5	105	64-131	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	49.2	98	69-163	
1,1-Dichloroethene	ug/L	50	48.9	98	77-123	
1,2,4-Trichlorobenzene	ug/L	50	50.6	101	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.5	93	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.7	103	70-130	
1,2-Dichlorobenzene	ug/L	50	53.7	107	70-130	
1,2-Dichloroethane	ug/L	50	48.2	96	78-142	
1,2-Dichloropropane	ug/L	50	50.0	100	86-134	
1,3-Dichlorobenzene	ug/L	50	53.9	108	70-130	
1,4-Dichlorobenzene	ug/L	50	50.5	101	70-130	
Benzene	ug/L	50	52.2	104	70-130	
Bromodichloromethane	ug/L	50	52.5	105	70-130	
Bromoform	ug/L	50	46.3	93	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

LABORATORY CONTROL SAMPLE: 2077327

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	38.1	76	39-129	
Carbon tetrachloride	ug/L	50	49.5	99	70-132	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	53.5	107	66-140	
Chloroform	ug/L	50	51.4	103	75-132	
Chloromethane	ug/L	50	45.4	91	32-143	
cis-1,2-Dichloroethene	ug/L	50	54.7	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.8	104	70-130	
Dibromochloromethane	ug/L	50	57.1	114	70-130	
Dichlorodifluoromethane	ug/L	50	46.7	93	10-141	
Ethylbenzene	ug/L	50	52.3	105	80-120	
Isopropylbenzene (Cumene)	ug/L	50	52.3	105	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	44.7	89	61-129	
Methylene Chloride	ug/L	50	47.6	95	70-130	
o-Xylene	ug/L	50	51.2	102	70-130	
Styrene	ug/L	50	51.0	102	70-130	
Tetrachloroethene	ug/L	50	50.7	101	70-130	
Toluene	ug/L	50	50.8	102	80-120	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.8	90	69-130	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	51.7	103	75-145	
Vinyl chloride	ug/L	50	57.7	115	51-140	
4-Bromofluorobenzene (S)	%			93	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2077696 2077697

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40210342001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50	51.2	50.2	102	100	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50	52.0	50.3	104	101	64-137	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50	48.9	47.4	98	95	70-137	3	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50	46.4	45.3	93	91	69-163	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50	46.7	45.6	93	91	77-129	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	49.7	49.0	99	98	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50	50.3	48.8	101	98	60-130	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50	50.6	48.6	101	97	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50	51.8	51.1	104	102	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50	44.8	44.3	90	89	78-145	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50	49.1	47.1	98	94	86-135	4	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50	53.0	52.3	106	105	70-130	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

Parameter	Units	2077696		2077697		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40210342001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.7	48.8	97	98	70-130	0	20	
Benzene	ug/L	<0.25	50	50	50.3	49.3	100	98	70-136	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	50.4	49.0	101	98	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	45.3	43.4	91	87	69-130	4	20	
Bromomethane	ug/L	<0.97	50	50	39.8	37.7	80	75	39-138	5	20	
Carbon tetrachloride	ug/L	<1.1	50	50	48.3	47.8	97	96	70-142	1	20	
Chlorobenzene	ug/L	<0.71	50	50	50.6	48.9	101	98	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	50.5	49.5	101	99	61-149	2	20	
Chloroform	ug/L	<1.3	50	50	49.3	48.1	99	96	75-133	2	20	
Chloromethane	ug/L	<2.2	50	50	42.7	41.5	85	83	32-143	3	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	52.4	51.5	105	103	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.1	49.3	100	99	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	55.2	54.3	110	109	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	42.5	42.1	85	84	10-141	1	20	
Ethylbenzene	ug/L	<0.32	50	50	51.4	49.7	103	99	80-120	4	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	51.2	48.8	102	98	70-130	5	20	
m&p-Xylene	ug/L	<0.47	100	100	103	97.4	103	97	70-130	5	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	42.4	40.8	85	82	61-136	4	20	
Methylene Chloride	ug/L	<0.58	50	50	44.9	43.5	90	87	68-137	3	20	
o-Xylene	ug/L	<0.26	50	50	50.1	48.5	100	97	70-130	3	20	
Styrene	ug/L	<3.0	50	50	50.1	48.1	100	96	70-130	4	20	
Tetrachloroethene	ug/L	<0.33	50	50	50.1	48.4	100	97	70-130	3	20	
Toluene	ug/L	<0.27	50	50	50.5	48.4	101	97	80-120	4	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	44.6	44.2	89	88	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	44.0	43.2	88	86	69-130	2	20	
Trichloroethene	ug/L	<0.26	50	50	50.9	50.2	102	100	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.3	47.9	99	96	74-157	3	20	
Vinyl chloride	ug/L	<0.17	50	50	55.9	55.1	112	110	51-140	1	20	
4-Bromofluorobenzene (S)	%						95	94	70-130			
Dibromofluoromethane (S)	%						102	103	70-130			
Toluene-d8 (S)	%						94	92	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

QC Batch: 359441      Analysis Method: EPA 8260  
QC Batch Method: EPA 8260      Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001

METHOD BLANK: 2078702      Matrix: Water  
Associated Lab Samples: 40210424001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/07/20 07:15	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/07/20 07:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/07/20 07:15	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/07/20 07:15	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/07/20 07:15	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/07/20 07:15	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/07/20 07:15	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/07/20 07:15	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/07/20 07:15	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/07/20 07:15	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/07/20 07:15	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/07/20 07:15	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/07/20 07:15	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/07/20 07:15	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/07/20 07:15	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/07/20 07:15	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/07/20 07:15	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/07/20 07:15	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/07/20 07:15	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/07/20 07:15	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/07/20 07:15	
2-Chlorotoluene	ug/L	<0.93	5.0	07/07/20 07:15	
4-Chlorotoluene	ug/L	<0.76	2.5	07/07/20 07:15	
Benzene	ug/L	<0.25	1.0	07/07/20 07:15	
Bromobenzene	ug/L	<0.24	1.0	07/07/20 07:15	
Bromochloromethane	ug/L	<0.36	5.0	07/07/20 07:15	
Bromodichloromethane	ug/L	<0.36	1.2	07/07/20 07:15	
Bromoform	ug/L	<4.0	13.2	07/07/20 07:15	
Bromomethane	ug/L	<0.97	5.0	07/07/20 07:15	
Carbon tetrachloride	ug/L	<1.1	3.6	07/07/20 07:15	
Chlorobenzene	ug/L	<0.71	2.4	07/07/20 07:15	
Chloroethane	ug/L	<1.3	5.0	07/07/20 07:15	
Chloroform	ug/L	<1.3	5.0	07/07/20 07:15	
Chloromethane	ug/L	<2.2	7.3	07/07/20 07:15	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/07/20 07:15	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/07/20 07:15	
Dibromochloromethane	ug/L	<2.6	8.7	07/07/20 07:15	
Dibromomethane	ug/L	<0.94	3.1	07/07/20 07:15	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/07/20 07:15	
Diisopropyl ether	ug/L	<1.9	6.3	07/07/20 07:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

METHOD BLANK: 2078702 Matrix: Water  
Associated Lab Samples: 40210424001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	07/07/20 07:15	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/07/20 07:15	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/07/20 07:15	
m&p-Xylene	ug/L	<0.47	2.0	07/07/20 07:15	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/07/20 07:15	
Methylene Chloride	ug/L	<0.58	5.0	07/07/20 07:15	
n-Butylbenzene	ug/L	<0.71	2.4	07/07/20 07:15	
n-Propylbenzene	ug/L	<0.81	5.0	07/07/20 07:15	
Naphthalene	ug/L	<1.2	5.0	07/07/20 07:15	
o-Xylene	ug/L	<0.26	1.0	07/07/20 07:15	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/07/20 07:15	
sec-Butylbenzene	ug/L	<0.85	5.0	07/07/20 07:15	
Styrene	ug/L	<3.0	10.0	07/07/20 07:15	
tert-Butylbenzene	ug/L	<0.30	1.0	07/07/20 07:15	
Tetrachloroethene	ug/L	<0.33	1.1	07/07/20 07:15	
Toluene	ug/L	<0.27	0.90	07/07/20 07:15	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/07/20 07:15	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/07/20 07:15	
Trichloroethene	ug/L	<0.26	1.0	07/07/20 07:15	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/07/20 07:15	
Vinyl chloride	ug/L	<0.17	1.0	07/07/20 07:15	
4-Bromofluorobenzene (S)	%	87	70-130	07/07/20 07:15	
Dibromofluoromethane (S)	%	92	70-130	07/07/20 07:15	
Toluene-d8 (S)	%	99	70-130	07/07/20 07:15	

LABORATORY CONTROL SAMPLE: 2078703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.0	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.0	98	64-131	
1,1,2-Trichloroethane	ug/L	50	48.5	97	70-130	
1,1-Dichloroethane	ug/L	50	52.8	106	69-163	
1,1-Dichloroethene	ug/L	50	59.7	119	77-123	
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.1	78	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	42.3	85	70-130	
1,2-Dichlorobenzene	ug/L	50	52.7	105	70-130	
1,2-Dichloroethane	ug/L	50	43.1	86	78-142	
1,2-Dichloropropane	ug/L	50	55.1	110	86-134	
1,3-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,4-Dichlorobenzene	ug/L	50	51.2	102	70-130	
Benzene	ug/L	50	52.5	105	70-130	
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	37.7	75	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

LABORATORY CONTROL SAMPLE: 2078703

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	59.2	118	39-129	
Carbon tetrachloride	ug/L	50	53.0	106	70-132	
Chlorobenzene	ug/L	50	53.2	106	70-130	
Chloroethane	ug/L	50	57.5	115	66-140	
Chloroform	ug/L	50	50.2	100	75-132	
Chloromethane	ug/L	50	57.1	114	32-143	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.3	101	70-130	
Dibromochloromethane	ug/L	50	43.5	87	70-130	
Dichlorodifluoromethane	ug/L	50	51.4	103	10-141	
Ethylbenzene	ug/L	50	55.4	111	80-120	
Isopropylbenzene (Cumene)	ug/L	50	55.7	111	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	39.4	79	61-129	
Methylene Chloride	ug/L	50	53.3	107	70-130	
o-Xylene	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	51.4	103	70-130	
Tetrachloroethene	ug/L	50	52.1	104	70-130	
Toluene	ug/L	50	55.5	111	80-120	
trans-1,2-Dichloroethene	ug/L	50	57.8	116	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	69-130	
Trichloroethene	ug/L	50	56.6	113	70-130	
Trichlorofluoromethane	ug/L	50	58.0	116	75-145	
Vinyl chloride	ug/L	50	62.5	125	51-140	
4-Bromofluorobenzene (S)	%			93	70-130	
Dibromofluoromethane (S)	%			94	70-130	
Toluene-d8 (S)	%			100	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

QC Batch: 359302

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001, 40210424002

METHOD BLANK: 2077998

Matrix: Water

Associated Lab Samples: 40210424001, 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<5.0	10.0	07/02/20 15:28	

LABORATORY CONTROL SAMPLE: 2077999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	200	202	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2078000 2078001

Parameter	Units	2078000		2078001		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40210403001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	317	200	200	488	489	86	86	80-120	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

QC Batch: 359374	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001

METHOD BLANK: 2078530 Matrix: Water

Associated Lab Samples: 40210424001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	07/06/20 11:06	

LABORATORY CONTROL SAMPLE: 2078531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	538	92	80-120	

SAMPLE DUPLICATE: 2078532

Parameter	Units	40210424001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1130	1150	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

QC Batch: 359660

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424002

METHOD BLANK: 2079928

Matrix: Water

Associated Lab Samples: 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	07/08/20 18:12	

LABORATORY CONTROL SAMPLE: 2079929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	530	91	80-120	

SAMPLE DUPLICATE: 2079931

Parameter	Units	40210653001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	502	522	4	10	

SAMPLE DUPLICATE: 2079937

Parameter	Units	40210475001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	410	386	6	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

QC Batch: 359171 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001, 40210424002

METHOD BLANK: 2077320 Matrix: Water

Associated Lab Samples: 40210424001, 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.044	0.15	07/01/20 12:58	
Sulfate	mg/L	<0.44	2.0	07/01/20 12:58	

LABORATORY CONTROL SAMPLE: 2077321

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.5	101	90-110	
Sulfate	mg/L	20	19.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2077322 2077323

Parameter	Units	40210358001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result							
Nitrate as N	mg/L	<0.044	1.5	1.5	1.6	1.6	104	104	90-110	0	15	
Sulfate	mg/L	130	200	200	347	348	109	109	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2077324 2077325

Parameter	Units	40210403001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result							
Nitrate as N	mg/L	7.8	7.5	7.5	16.1	15.9	111	108	90-110	1	15	M0
Sulfate	mg/L	15.1	100	100	120	119	105	103	90-110	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

QC Batch: 359211 Analysis Method: EPA 9060  
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40210424001, 40210424002

METHOD BLANK: 2077612 Matrix: Water

Associated Lab Samples: 40210424001, 40210424002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.085	0.50	07/13/20 12:11	
Total Organic Carbon	mg/L	<0.085	0.50	07/13/20 12:11	
Total Organic Carbon	mg/L	<0.085	0.50	07/13/20 12:11	
Total Organic Carbon	mg/L	<0.085	0.50	07/13/20 12:11	
Total Organic Carbon	mg/L	<0.085	0.50	07/13/20 12:11	

LABORATORY CONTROL SAMPLE: 2077613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	13.0	104	80-120	
Total Organic Carbon	mg/L	12.5	13.2	105		
Total Organic Carbon	mg/L	12.5	12.9	104		
Total Organic Carbon	mg/L	12.5	12.8	102		
Total Organic Carbon	mg/L	12.5	13.1	105		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2077614 2077615

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40210424001 Result	Spike Conc.	Spike Conc.	Conc.								
Mean Total Organic Carbon	mg/L	7.7	36	36	36	46.7	45.6	108	105	80-120	2	20	
Total Organic Carbon	mg/L	7.7	36	36	36	46.9	45.5	109	105		3		
Total Organic Carbon	mg/L	7.8	36	36	36	47.0	45.4	109	104		3		
Total Organic Carbon	mg/L	7.8	36	36	36	45.7	45.9	105	106		0		
Total Organic Carbon	mg/L	7.8	36	36	36	47.1	45.6	109	105		3		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 044161 910 MAYER LLC RCB INV.

Pace Project No.: 40210424

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

H5 Reanalysis conducted in excess of EPA method holding time. Results confirm original analysis performed in hold time.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 044161 910 MAYER LLC RCB INV.  
Pace Project No.: 40210424

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40210424001	TS-MW-17A-20200630	EPA 8015B Modified	360077		
40210424002	TS-MW-17B-20200630	EPA 8015B Modified	360077		
40210424001	TS-MW-17A-20200630	EPA 3010	359226	EPA 6010	359284
40210424002	TS-MW-17B-20200630	EPA 3010	359226	EPA 6010	359284
40210424001	TS-MW-17A-20200630	EPA 6010	360133		
40210424002	TS-MW-17B-20200630	EPA 6010	360133		
40210424001	TS-MW-17A-20200630	EPA 8260	359441		
40210424002	TS-MW-17B-20200630	EPA 8260	359172		
40210424003	TRIP BLANK	EPA 8260	359172		
40210424001	TS-MW-17A-20200630	SM 2320B	359302		
40210424002	TS-MW-17B-20200630	SM 2320B	359302		
40210424001	TS-MW-17A-20200630	SM 2540C	359374		
40210424002	TS-MW-17B-20200630	SM 2540C	359660		
40210424001	TS-MW-17A-20200630	EPA 300.0	359171		
40210424002	TS-MW-17B-20200630	EPA 300.0	359171		
40210424001	TS-MW-17A-20200630	EPA 9060	359211		
40210424002	TS-MW-17B-20200630	EPA 9060	359211		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



(Please Print Clearly)



UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1  
 40210424

### CHAIN OF CUSTODY

Analysis: BULK C-HVSDM Date: 03-20-2005 Location: Thousand Lakes  
 Hi-Security Biogas Station

Company Name: **SRM**  
 Branch/Location: **SRM**  
 Project Contact: **WI**  
 Phone: **044161**  
 Project Number: **910 Nyer LLC-RCB INST.**  
 Project Name: **WI**  
 Project State: **WI**  
 Sampled By (Print): **CHAS SUTER**  
 Sampled By (Sign): **[Signature]**  
 PO #: **1150**

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested																		
					VIN	PUR	N	N	A	N	N	N	N	D	D								
001	TS-MW-17A-20200630	03/20	1135	W																			
002	TS-MW-17A-20200630		1405	W																			
003	TIP Blank 1		1405	W																			

Quote #: \_\_\_\_\_  
 Mail To Contact: \_\_\_\_\_  
 Mail To Company: \_\_\_\_\_  
 Mail To Address: \_\_\_\_\_  
 Invoice To Contact: \_\_\_\_\_  
 Invoice To Company: \_\_\_\_\_  
 Invoice To Address: \_\_\_\_\_  
 Invoice To Phone: \_\_\_\_\_  
 CLIENT COMMENTS: \_\_\_\_\_  
 LAB COMMENTS (Lab Use Only): \_\_\_\_\_  
 Profile #: \_\_\_\_\_

FACE Project No. **40210424**  
 Receipt Temp. **20** °C  
 Sample Receipt pH **7.5**  
 DMS Adjusted  
 Cooler/Capped/Seal Present/ Not Present  
 Intact/ Not Intact

# Sample Preservation Receipt Form

Client Name: ERM

Project # 40810424

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper: 1052791 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: [Signature]


Date/ Time: \_\_\_\_\_

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 905  
Green Bay, WI 54302  
Page 3 of 32

Lab #	Pace	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
<del>001</del>	<del>AG1U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>002</del>	<del>BG1U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>003</del>	<del>AG1H</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>004</del>	<del>AG4S</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>005</del>	<del>AG4U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>006</del>	<del>AG5U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>007</del>	<del>AG2S</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>008</del>	<del>BG3U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>009</del>	<del>BP1U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>010</del>	<del>BP3U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>011</del>	<del>BP3B</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>012</del>	<del>BP3N</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>013</del>	<del>BP3S</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>014</del>	<del>VG9A</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>015</del>	<del>DG9T</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>016</del>	<del>VG9U</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>017</del>	<del>VG9H</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>018</del>	<del>VG9M</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>019</del>	<del>VG9D</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>
<del>020</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>2.5/5/10</del>

Exceptions to preservation check: VOA Colliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm):  Yes  No  N/A \*if yes look in headspace column


Code	Description	Code	Description	Code	Description	Code	Description
AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JG9U	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL clear vial Na Thio	WG9U	9 oz clear jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WPFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	SP5T	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	ZPLC	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	GN	ziploc bag
AG2S	500 mL amber glass H2SO4						
BG3U	250 mL clear glass unpres						

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name: ERM  
 Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: **WO#: 40210424**



Tracking #: 1859 063020

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no  
 Custody Seal on Samples Present:  yes  no    Seals intact:  yes  no  
 Packing Material:  Bubble Wrap  Bubble Bags  None  Other  
 Thermometer Used SR - NA    Type of Ice:  Wet  Blue  Dry  None     Samples on ice, cooling process has begun

Cooler Temperature    Uncorr: ROI / Corr: \_\_\_\_\_  
 Temp Blank Present:  yes  no    Biological Tissue is Frozen:  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:  
 Date: 7/1/20    Initials: MP  
 Labeled By Initials: MP

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO mail, Invoice, phone#, pr contact,</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>7/1/20</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>MP</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>7/1/20</u>	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>447</u>		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

August 03, 2020

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 0441161 910 MAYER  
Pace Project No.: 40211375

Dear David deCourcy-Bower:

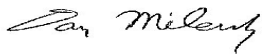
Enclosed are the analytical results for sample(s) received by the laboratory on July 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Andrew DeWitt, ERM, Inc.  
Morgan Johnson, ERM, INC.  
Paul Sterkenburg, ERM, INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40211375001	SR-MW-14-WG-20200713	Water	07/13/20 16:15	07/18/20 08:15
40211375002	SR-MW-15-WG-20200714	Water	07/14/20 13:35	07/18/20 08:15
40211375003	SR-MW-16A-WG-20200714	Water	07/14/20 14:55	07/18/20 08:15
40211375004	SR-MW-16B-WG-20200714	Water	07/14/20 16:00	07/18/20 08:15
40211375005	TS-MW-20C-WG-20200715	Water	07/15/20 09:40	07/18/20 08:15
40211375006	TS-MW-20A-WG-20200715	Water	07/15/20 12:10	07/18/20 08:15
40211375007	TS-MW-18A-WG-20200715	Water	07/15/20 13:10	07/18/20 08:15
40211375008	TS-MW-18B-WG-20200715	Water	07/15/20 14:35	07/18/20 08:15
40211375009	TS-MW-23A2-WG-20200716	Water	07/16/20 10:05	07/18/20 08:15
40211375010	TS-MW-22A2-WG-20200716	Water	07/16/20 12:00	07/18/20 08:15
40211375011	TS-MW-21A2-WG-20200716	Water	07/16/20 14:10	07/18/20 08:15
40211375012	TS-MW-24B-WG-20200716	Water	07/16/20 16:40	07/18/20 08:15
40211375013	DUP-001-WG-20200716	Water	07/16/20 00:00	07/18/20 08:15
40211375014	TRIP BLANK	Water	07/16/20 00:00	07/18/20 08:15

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40211375001	SR-MW-14-WG-20200713	EPA 8260	LAP	64	PASI-G
40211375002	SR-MW-15-WG-20200714	EPA 8260	LAP	64	PASI-G
40211375003	SR-MW-16A-WG-20200714	EPA 8260	LAP	64	PASI-G
40211375004	SR-MW-16B-WG-20200714	EPA 8260	LAP	64	PASI-G
40211375005	TS-MW-20C-WG-20200715	EPA 8260	HNW	64	PASI-G
40211375006	TS-MW-20A-WG-20200715	EPA 8260	HNW	64	PASI-G
40211375007	TS-MW-18A-WG-20200715	EPA 8260	HNW	64	PASI-G
40211375008	TS-MW-18B-WG-20200715	EPA 8260	HNW	64	PASI-G
40211375009	TS-MW-23A2-WG-20200716	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211375010	TS-MW-22A2-WG-20200716	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211375011	TS-MW-21A2-WG-20200716	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211375012	TS-MW-24B-WG-20200716	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
<b>40211375013</b>	<b>DUP-001-WG-20200716</b>	EPA 8260	HNW	64	PASI-G
<b>40211375014</b>	<b>TRIP BLANK</b>	EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Sample: SR-MW-14-WG-20200713 Lab ID: 40211375001 Collected: 07/13/20 16:15 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 17:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 17:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 17:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 17:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 17:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 17:22	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:22	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 17:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 17:22	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 17:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 17:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 17:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 17:22	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 17:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 17:22	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 17:22	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 17:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 17:22	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 17:22	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:22	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 17:22	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 17:22	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 17:22	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 17:22	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:22	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 17:22	75-35-4	
cis-1,2-Dichloroethene	22.1	ug/L	1.0	0.27	1		07/21/20 17:22	156-59-2	
trans-1,2-Dichloroethene	1.0J	ug/L	1.5	0.46	1		07/21/20 17:22	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:22	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 17:22	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 17:22	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 17:22	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 17:22	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 17:22	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 17:22	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 17:22	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 17:22	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 17:22	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 17:22	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 17:22	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 17:22	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 17:22	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 17:22	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 17:22	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: SR-MW-14-WG-20200713**    **Lab ID: 40211375001**    Collected: 07/13/20 16:15    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 17:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:22	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 17:22	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 17:22	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 17:22	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 17:22	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 17:22	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 17:22	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 17:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 17:22	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 17:22	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 17:22	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 17:22	108-67-8	
Vinyl chloride	14.3	ug/L	1.0	0.17	1		07/21/20 17:22	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 17:22	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 17:22	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/21/20 17:22	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/21/20 17:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/21/20 17:22	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: SR-MW-15-WG-20200714**    **Lab ID: 40211375002**    Collected: 07/14/20 13:35    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/22/20 09:06	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/22/20 09:06	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/22/20 09:06	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/22/20 09:06	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/22/20 09:06	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/22/20 09:06	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 09:06	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/22/20 09:06	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/22/20 09:06	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/22/20 09:06	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 09:06	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/22/20 09:06	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/22/20 09:06	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/22/20 09:06	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/22/20 09:06	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/22/20 09:06	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/22/20 09:06	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/22/20 09:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/22/20 09:06	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/22/20 09:06	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 09:06	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/22/20 09:06	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/22/20 09:06	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/22/20 09:06	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 09:06	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 09:06	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/22/20 09:06	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/22/20 09:06	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/22/20 09:06	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/22/20 09:06	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/22/20 09:06	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/22/20 09:06	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/22/20 09:06	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/22/20 09:06	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/22/20 09:06	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/22/20 09:06	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/22/20 09:06	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/22/20 09:06	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/22/20 09:06	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/22/20 09:06	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/22/20 09:06	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/22/20 09:06	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/22/20 09:06	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/22/20 09:06	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/22/20 09:06	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: SR-MW-15-WG-20200714**    **Lab ID: 40211375002**    Collected: 07/14/20 13:35    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 09:06	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 09:06	79-34-5	
Tetrachloroethene	12.7	ug/L	1.1	0.33	1		07/22/20 09:06	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/22/20 09:06	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/22/20 09:06	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/22/20 09:06	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/22/20 09:06	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/22/20 09:06	79-00-5	
Trichloroethene	0.71J	ug/L	1.0	0.26	1		07/22/20 09:06	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/22/20 09:06	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/22/20 09:06	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/22/20 09:06	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/22/20 09:06	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/22/20 09:06	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/22/20 09:06	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/22/20 09:06	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/22/20 09:06	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/22/20 09:06	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/22/20 09:06	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: SR-MW-16A-WG-20200714**    **Lab ID: 40211375003**    Collected: 07/14/20 14:55    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 16:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 16:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 16:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 16:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 16:58	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:58	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 16:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 16:58	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 16:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 16:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 16:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 16:58	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 16:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 16:58	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 16:58	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 16:58	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 16:58	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 16:58	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:58	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 16:58	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 16:58	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 16:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:58	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:58	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:58	75-35-4	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.27	1		07/21/20 16:58	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 16:58	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:58	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 16:58	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 16:58	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 16:58	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 16:58	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 16:58	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 16:58	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 16:58	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 16:58	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 16:58	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 16:58	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 16:58	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 16:58	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 16:58	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 16:58	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 16:58	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

**Sample: SR-MW-16A-WG-20200714**    **Lab ID: 40211375003**    Collected: 07/14/20 14:55    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:58	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:58	79-34-5	
Tetrachloroethene	2.7	ug/L	1.1	0.33	1		07/21/20 16:58	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 16:58	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 16:58	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 16:58	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 16:58	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 16:58	79-00-5	
Trichloroethene	1.6	ug/L	1.0	0.26	1		07/21/20 16:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 16:58	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 16:58	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 16:58	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 16:58	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 16:58	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 16:58	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:58	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/21/20 16:58	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		07/21/20 16:58	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/21/20 16:58	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Sample: **SR-MW-16B-WG-20200714** Lab ID: **40211375004** Collected: 07/14/20 16:00 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.57J	ug/L	1.0	0.25	1		07/21/20 12:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 12:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 12:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 12:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 12:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 12:35	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 12:35	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 12:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 12:35	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 12:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 12:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 12:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 12:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 12:35	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 12:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 12:35	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 12:35	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 12:35	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 12:35	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 12:35	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 12:35	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 12:35	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 12:35	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 12:35	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 12:35	75-34-3	
1,2-Dichloroethane	40.8	ug/L	1.0	0.28	1		07/21/20 12:35	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 12:35	75-35-4	
cis-1,2-Dichloroethene	44.8	ug/L	1.0	0.27	1		07/21/20 12:35	156-59-2	
trans-1,2-Dichloroethene	0.69J	ug/L	1.5	0.46	1		07/21/20 12:35	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 12:35	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 12:35	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 12:35	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 12:35	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 12:35	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 12:35	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 12:35	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 12:35	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 12:35	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 12:35	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 12:35	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 12:35	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 12:35	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 12:35	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 12:35	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 12:35	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: SR-MW-16B-WG-20200714**    **Lab ID: 40211375004**    Collected: 07/14/20 16:00    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 12:35	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 12:35	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 12:35	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 12:35	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 12:35	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 12:35	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 12:35	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 12:35	79-00-5	
Trichloroethene	0.64J	ug/L	1.0	0.26	1		07/21/20 12:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 12:35	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 12:35	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 12:35	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 12:35	108-67-8	
Vinyl chloride	1.5	ug/L	1.0	0.17	1		07/21/20 12:35	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 12:35	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 12:35	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/21/20 12:35	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		07/21/20 12:35	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/21/20 12:35	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-20C-WG-20200715**    **Lab ID: 40211375005**    Collected: 07/15/20 09:40    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 16:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 16:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 16:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 16:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 16:13	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:13	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 16:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 16:13	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 16:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 16:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 16:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 16:13	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 16:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 16:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 16:13	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 16:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 16:13	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 16:13	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:13	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 16:13	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 16:13	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 16:13	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:13	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:13	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:13	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 16:13	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 16:13	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:13	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 16:13	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 16:13	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 16:13	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 16:13	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 16:13	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 16:13	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 16:13	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 16:13	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 16:13	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 16:13	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 16:13	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 16:13	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 16:13	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 16:13	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 16:13	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-20C-WG-20200715**    **Lab ID: 40211375005**    Collected: 07/15/20 09:40    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:13	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 16:13	127-18-4	
Toluene	0.28J	ug/L	0.90	0.27	1		07/21/20 16:13	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 16:13	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 16:13	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 16:13	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 16:13	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 16:13	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 16:13	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 16:13	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 16:13	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 16:13	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 16:13	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:13	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		07/21/20 16:13	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		07/21/20 16:13	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/21/20 16:13	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Sample: **TS-MW-20A-WG-20200715** Lab ID: **40211375006** Collected: 07/15/20 12:10 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 15:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 15:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 15:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 15:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 15:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 15:52	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:52	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 15:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 15:52	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 15:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 15:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 15:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 15:52	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 15:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 15:52	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 15:52	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 15:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 15:52	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 15:52	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:52	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 15:52	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 15:52	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 15:52	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 15:52	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:52	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 15:52	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 15:52	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 15:52	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:52	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 15:52	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 15:52	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 15:52	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 15:52	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 15:52	10061-02-6	
Diisopropyl ether	2.7J	ug/L	6.3	1.9	1		07/21/20 15:52	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 15:52	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 15:52	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 15:52	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 15:52	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 15:52	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 15:52	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 15:52	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 15:52	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 15:52	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-20A-WG-20200715**    **Lab ID: 40211375006**    Collected: 07/15/20 12:10    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 15:52	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:52	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 15:52	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 15:52	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 15:52	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 15:52	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 15:52	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 15:52	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 15:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 15:52	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 15:52	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 15:52	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 15:52	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 15:52	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 15:52	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 15:52	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/21/20 15:52	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/21/20 15:52	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/21/20 15:52	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-18A-WG-20200715**    **Lab ID: 40211375007**    Collected: 07/15/20 13:10    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 16:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 16:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 16:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 16:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 16:34	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:34	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 16:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 16:34	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 16:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 16:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 16:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 16:34	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 16:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 16:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 16:34	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 16:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 16:34	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 16:34	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:34	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 16:34	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 16:34	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 16:34	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:34	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:34	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:34	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 16:34	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 16:34	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:34	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 16:34	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 16:34	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 16:34	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 16:34	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 16:34	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 16:34	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 16:34	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 16:34	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 16:34	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 16:34	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 16:34	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 16:34	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 16:34	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 16:34	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 16:34	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-18A-WG-20200715**    **Lab ID: 40211375007**    Collected: 07/15/20 13:10    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:34	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:34	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 16:34	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 16:34	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 16:34	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 16:34	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 16:34	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 16:34	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 16:34	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 16:34	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 16:34	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 16:34	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 16:34	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 16:34	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:34	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/21/20 16:34	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		07/21/20 16:34	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/21/20 16:34	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Sample: **TS-MW-18B-WG-20200715** Lab ID: **40211375008** Collected: 07/15/20 14:35 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 16:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 16:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 16:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 16:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 16:56	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:56	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 16:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 16:56	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 16:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 16:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 16:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 16:56	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 16:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 16:56	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 16:56	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 16:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 16:56	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 16:56	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 16:56	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 16:56	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 16:56	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 16:56	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:56	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:56	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 16:56	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 16:56	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 16:56	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:56	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 16:56	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 16:56	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 16:56	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 16:56	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 16:56	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 16:56	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 16:56	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 16:56	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 16:56	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 16:56	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 16:56	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 16:56	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 16:56	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 16:56	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 16:56	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-18B-WG-20200715**    **Lab ID: 40211375008**    Collected: 07/15/20 14:35    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 16:56	630-20-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 16:56	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 16:56	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 16:56	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 16:56	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 16:56	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 16:56	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 16:56	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 16:56	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 16:56	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 16:56	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 16:56	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 16:56	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 16:56	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 16:56	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/21/20 16:56	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/21/20 16:56	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/21/20 16:56	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample:** TS-MW-23A2-WG-20200716 **Lab ID:** 40211375009 **Collected:** 07/16/20 10:05 **Received:** 07/18/20 08:15 **Matrix:** Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	2970	ug/L	280	61.2	50		07/30/20 12:48	74-84-0	
Ethene	21900	ug/L	250	60.0	50		07/30/20 12:48	74-85-1	
Methane	5460	ug/L	140	33.2	50		07/30/20 12:48	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	33000	ug/L	117	35.2	1	07/21/20 05:41	07/21/20 17:38	7439-89-6	
Manganese	322	ug/L	5.1	1.5	1	07/21/20 05:41	07/21/20 17:38	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	33000	ug/L	100	29.6	1		07/21/20 12:39	7439-89-6	
Manganese, Dissolved	310	ug/L	5.0	1.1	1		07/21/20 12:39	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<6.7	ug/L	25.0	6.7	25		07/21/20 10:51	630-20-6	
1,1,1-Trichloroethane	<6.1	ug/L	25.0	6.1	25		07/21/20 10:51	71-55-6	
1,1,2,2-Tetrachloroethane	<6.9	ug/L	25.0	6.9	25		07/21/20 10:51	79-34-5	
1,1,2-Trichloroethane	<13.8	ug/L	125	13.8	25		07/21/20 10:51	79-00-5	
1,1-Dichloroethane	<6.8	ug/L	25.0	6.8	25		07/21/20 10:51	75-34-3	
1,1-Dichloroethene	<6.1	ug/L	25.0	6.1	25		07/21/20 10:51	75-35-4	
1,1-Dichloropropene	<13.5	ug/L	45.0	13.5	25		07/21/20 10:51	563-58-6	
1,2,3-Trichlorobenzene	<55.3	ug/L	184	55.3	25		07/21/20 10:51	87-61-6	
1,2,3-Trichloropropane	<14.8	ug/L	125	14.8	25		07/21/20 10:51	96-18-4	
1,2,4-Trichlorobenzene	<23.8	ug/L	125	23.8	25		07/21/20 10:51	120-82-1	
1,2,4-Trimethylbenzene	<21.0	ug/L	70.0	21.0	25		07/21/20 10:51	95-63-6	
1,2-Dibromo-3-chloropropane	<44.1	ug/L	147	44.1	25		07/21/20 10:51	96-12-8	
1,2-Dibromoethane (EDB)	<20.7	ug/L	69.1	20.7	25		07/21/20 10:51	106-93-4	
1,2-Dichlorobenzene	<17.6	ug/L	58.8	17.6	25		07/21/20 10:51	95-50-1	
1,2-Dichloroethane	9740	ug/L	100	28.0	100		07/21/20 18:43	107-06-2	
1,2-Dichloropropane	<7.1	ug/L	25.0	7.1	25		07/21/20 10:51	78-87-5	
1,3,5-Trimethylbenzene	<21.8	ug/L	72.8	21.8	25		07/21/20 10:51	108-67-8	
1,3-Dichlorobenzene	<15.7	ug/L	52.3	15.7	25		07/21/20 10:51	541-73-1	
1,3-Dichloropropane	<20.6	ug/L	68.8	20.6	25		07/21/20 10:51	142-28-9	
1,4-Dichlorobenzene	<23.6	ug/L	78.6	23.6	25		07/21/20 10:51	106-46-7	
2,2-Dichloropropane	<56.6	ug/L	189	56.6	25		07/21/20 10:51	594-20-7	
2-Chlorotoluene	<23.2	ug/L	125	23.2	25		07/21/20 10:51	95-49-8	
4-Chlorotoluene	<18.9	ug/L	63.0	18.9	25		07/21/20 10:51	106-43-4	
Benzene	<6.2	ug/L	25.0	6.2	25		07/21/20 10:51	71-43-2	
Bromobenzene	<6.0	ug/L	25.0	6.0	25		07/21/20 10:51	108-86-1	
Bromochloromethane	<9.1	ug/L	125	9.1	25		07/21/20 10:51	74-97-5	
Bromodichloromethane	<9.1	ug/L	30.3	9.1	25		07/21/20 10:51	75-27-4	
Bromoform	<99.3	ug/L	331	99.3	25		07/21/20 10:51	75-25-2	
Bromomethane	<24.3	ug/L	125	24.3	25		07/21/20 10:51	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Sample: **TS-MW-23A2-WG-20200716** Lab ID: **40211375009** Collected: 07/16/20 10:05 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<26.9	ug/L	89.7	26.9	25		07/21/20 10:51	56-23-5	
Chlorobenzene	<17.8	ug/L	59.2	17.8	25		07/21/20 10:51	108-90-7	
Chloroethane	<33.6	ug/L	125	33.6	25		07/21/20 10:51	75-00-3	
Chloroform	<31.8	ug/L	125	31.8	25		07/21/20 10:51	67-66-3	
Chloromethane	<54.7	ug/L	182	54.7	25		07/21/20 10:51	74-87-3	
Dibromochloromethane	<65.0	ug/L	217	65.0	25		07/21/20 10:51	124-48-1	
Dibromomethane	<23.4	ug/L	78.1	23.4	25		07/21/20 10:51	74-95-3	
Dichlorodifluoromethane	<12.5	ug/L	125	12.5	25		07/21/20 10:51	75-71-8	
Diisopropyl ether	<47.2	ug/L	157	47.2	25		07/21/20 10:51	108-20-3	
Ethylbenzene	<8.0	ug/L	26.6	8.0	25		07/21/20 10:51	100-41-4	
Hexachloro-1,3-butadiene	<36.6	ug/L	122	36.6	25		07/21/20 10:51	87-68-3	
Isopropylbenzene (Cumene)	<42.2	ug/L	140	42.2	25		07/21/20 10:51	98-82-8	
Methyl-tert-butyl ether	<31.1	ug/L	104	31.1	25		07/21/20 10:51	1634-04-4	
Methylene Chloride	<14.5	ug/L	125	14.5	25		07/21/20 10:51	75-09-2	
Naphthalene	<29.4	ug/L	125	29.4	25		07/21/20 10:51	91-20-3	
Styrene	<75.2	ug/L	251	75.2	25		07/21/20 10:51	100-42-5	
Tetrachloroethene	<8.2	ug/L	27.2	8.2	25		07/21/20 10:51	127-18-4	
Toluene	<6.7	ug/L	22.4	6.7	25		07/21/20 10:51	108-88-3	
Trichloroethene	<6.4	ug/L	25.0	6.4	25		07/21/20 10:51	79-01-6	
Trichlorofluoromethane	<5.4	ug/L	25.0	5.4	25		07/21/20 10:51	75-69-4	
Vinyl chloride	56.1	ug/L	25.0	4.4	25		07/21/20 10:51	75-01-4	
cis-1,2-Dichloroethene	7.6J	ug/L	25.0	6.8	25		07/21/20 10:51	156-59-2	
cis-1,3-Dichloropropene	<90.7	ug/L	302	90.7	25		07/21/20 10:51	10061-01-5	
m&p-Xylene	<11.6	ug/L	50.0	11.6	25		07/21/20 10:51	179601-23-1	
n-Butylbenzene	<17.7	ug/L	59.0	17.7	25		07/21/20 10:51	104-51-8	
n-Propylbenzene	<20.3	ug/L	125	20.3	25		07/21/20 10:51	103-65-1	
o-Xylene	<6.5	ug/L	25.0	6.5	25		07/21/20 10:51	95-47-6	
p-Isopropyltoluene	<20.0	ug/L	66.7	20.0	25		07/21/20 10:51	99-87-6	
sec-Butylbenzene	<21.2	ug/L	125	21.2	25		07/21/20 10:51	135-98-8	
tert-Butylbenzene	<7.6	ug/L	25.3	7.6	25		07/21/20 10:51	98-06-6	
trans-1,2-Dichloroethene	<11.6	ug/L	38.7	11.6	25		07/21/20 10:51	156-60-5	
trans-1,3-Dichloropropene	<109	ug/L	364	109	25		07/21/20 10:51	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		25		07/21/20 10:51	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		25		07/21/20 10:51	1868-53-7	
Toluene-d8 (S)	103	%	70-130		25		07/21/20 10:51	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	503	mg/L	10.0	5.0	1		07/23/20 18:23		
Alkalinity,Bicarbonate (CaCO3)	503	mg/L	10.0	5.0	1		07/23/20 18:23		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/23/20 18:23		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

---

**Sample: TS-MW-23A2-WG-20200716**    **Lab ID: 40211375009**    Collected: 07/16/20 10:05    Received: 07/18/20 08:15    Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>2610</b>	mg/L	20.0	8.7	1		07/20/20 14:45		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<b>4.4J</b>	mg/L	10.0	2.2	5		07/20/20 12:06	14808-79-8	D3
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>11.0</b>	mg/L	1.5	0.25	3		07/29/20 14:15	7440-44-0	
Total Organic Carbon	<b>10.7</b>	mg/L	1.5	0.25	3		07/29/20 14:15	7440-44-0	
Total Organic Carbon	<b>10.9</b>	mg/L	1.5	0.25	3		07/29/20 14:15	7440-44-0	
Total Organic Carbon	<b>10.6</b>	mg/L	1.5	0.25	3		07/29/20 14:15	7440-44-0	
Mean Total Organic Carbon	<b>10.8</b>	mg/L	1.5	0.25	3		07/29/20 14:15	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample:** TS-MW-22A2-WG-20200716 **Lab ID:** 40211375010 **Collected:** 07/16/20 12:00 **Received:** 07/18/20 08:15 **Matrix:** Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	1180	ug/L	700	153	125		07/30/20 12:55	74-84-0	
Ethene	27500	ug/L	625	150	125		07/30/20 12:55	74-85-1	
Methane	3650	ug/L	350	83.1	125		07/30/20 12:55	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	40100	ug/L	117	35.2	1	07/21/20 05:41	07/21/20 17:40	7439-89-6	
Manganese	459	ug/L	5.1	1.5	1	07/21/20 05:41	07/21/20 17:40	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	41000	ug/L	100	29.6	1		07/21/20 12:41	7439-89-6	D9
Manganese, Dissolved	445	ug/L	5.0	1.1	1		07/21/20 12:41	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<6.7	ug/L	25.0	6.7	25		07/21/20 11:13	630-20-6	
1,1,1-Trichloroethane	<6.1	ug/L	25.0	6.1	25		07/21/20 11:13	71-55-6	
1,1,2,2-Tetrachloroethane	<6.9	ug/L	25.0	6.9	25		07/21/20 11:13	79-34-5	
1,1,2-Trichloroethane	<13.8	ug/L	125	13.8	25		07/21/20 11:13	79-00-5	
1,1-Dichloroethane	<6.8	ug/L	25.0	6.8	25		07/21/20 11:13	75-34-3	
1,1-Dichloroethene	<6.1	ug/L	25.0	6.1	25		07/21/20 11:13	75-35-4	
1,1-Dichloropropene	<13.5	ug/L	45.0	13.5	25		07/21/20 11:13	563-58-6	
1,2,3-Trichlorobenzene	<55.3	ug/L	184	55.3	25		07/21/20 11:13	87-61-6	
1,2,3-Trichloropropane	<14.8	ug/L	125	14.8	25		07/21/20 11:13	96-18-4	
1,2,4-Trichlorobenzene	<23.8	ug/L	125	23.8	25		07/21/20 11:13	120-82-1	
1,2,4-Trimethylbenzene	<21.0	ug/L	70.0	21.0	25		07/21/20 11:13	95-63-6	
1,2-Dibromo-3-chloropropane	<44.1	ug/L	147	44.1	25		07/21/20 11:13	96-12-8	
1,2-Dibromoethane (EDB)	<20.7	ug/L	69.1	20.7	25		07/21/20 11:13	106-93-4	
1,2-Dichlorobenzene	<17.6	ug/L	58.8	17.6	25		07/21/20 11:13	95-50-1	
1,2-Dichloroethane	53200	ug/L	1000	280	1000		07/21/20 19:05	107-06-2	
1,2-Dichloropropane	<7.1	ug/L	25.0	7.1	25		07/21/20 11:13	78-87-5	
1,3,5-Trimethylbenzene	<21.8	ug/L	72.8	21.8	25		07/21/20 11:13	108-67-8	
1,3-Dichlorobenzene	<15.7	ug/L	52.3	15.7	25		07/21/20 11:13	541-73-1	
1,3-Dichloropropane	<20.6	ug/L	68.8	20.6	25		07/21/20 11:13	142-28-9	
1,4-Dichlorobenzene	<23.6	ug/L	78.6	23.6	25		07/21/20 11:13	106-46-7	
2,2-Dichloropropane	<56.6	ug/L	189	56.6	25		07/21/20 11:13	594-20-7	
2-Chlorotoluene	<23.2	ug/L	125	23.2	25		07/21/20 11:13	95-49-8	
4-Chlorotoluene	<18.9	ug/L	63.0	18.9	25		07/21/20 11:13	106-43-4	
Benzene	9.1J	ug/L	25.0	6.2	25		07/21/20 11:13	71-43-2	
Bromobenzene	<6.0	ug/L	25.0	6.0	25		07/21/20 11:13	108-86-1	
Bromochloromethane	<9.1	ug/L	125	9.1	25		07/21/20 11:13	74-97-5	
Bromodichloromethane	<9.1	ug/L	30.3	9.1	25		07/21/20 11:13	75-27-4	
Bromoform	<99.3	ug/L	331	99.3	25		07/21/20 11:13	75-25-2	
Bromomethane	<24.3	ug/L	125	24.3	25		07/21/20 11:13	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-22A2-WG-20200716**    **Lab ID: 40211375010**    Collected: 07/16/20 12:00    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<26.9	ug/L	89.7	26.9	25		07/21/20 11:13	56-23-5	
Chlorobenzene	<17.8	ug/L	59.2	17.8	25		07/21/20 11:13	108-90-7	
Chloroethane	<33.6	ug/L	125	33.6	25		07/21/20 11:13	75-00-3	
Chloroform	<31.8	ug/L	125	31.8	25		07/21/20 11:13	67-66-3	
Chloromethane	<54.7	ug/L	182	54.7	25		07/21/20 11:13	74-87-3	
Dibromochloromethane	<65.0	ug/L	217	65.0	25		07/21/20 11:13	124-48-1	
Dibromomethane	<23.4	ug/L	78.1	23.4	25		07/21/20 11:13	74-95-3	
Dichlorodifluoromethane	<12.5	ug/L	125	12.5	25		07/21/20 11:13	75-71-8	
Diisopropyl ether	<47.2	ug/L	157	47.2	25		07/21/20 11:13	108-20-3	
Ethylbenzene	<8.0	ug/L	26.6	8.0	25		07/21/20 11:13	100-41-4	
Hexachloro-1,3-butadiene	<36.6	ug/L	122	36.6	25		07/21/20 11:13	87-68-3	
Isopropylbenzene (Cumene)	<42.2	ug/L	140	42.2	25		07/21/20 11:13	98-82-8	
Methyl-tert-butyl ether	<31.1	ug/L	104	31.1	25		07/21/20 11:13	1634-04-4	
Methylene Chloride	<14.5	ug/L	125	14.5	25		07/21/20 11:13	75-09-2	
Naphthalene	<29.4	ug/L	125	29.4	25		07/21/20 11:13	91-20-3	
Styrene	<75.2	ug/L	251	75.2	25		07/21/20 11:13	100-42-5	
Tetrachloroethene	<8.2	ug/L	27.2	8.2	25		07/21/20 11:13	127-18-4	
Toluene	<6.7	ug/L	22.4	6.7	25		07/21/20 11:13	108-88-3	
Trichloroethene	10.5J	ug/L	25.0	6.4	25		07/21/20 11:13	79-01-6	
Trichlorofluoromethane	<5.4	ug/L	25.0	5.4	25		07/21/20 11:13	75-69-4	
Vinyl chloride	181	ug/L	25.0	4.4	25		07/21/20 11:13	75-01-4	
cis-1,2-Dichloroethene	15.9J	ug/L	25.0	6.8	25		07/21/20 11:13	156-59-2	
cis-1,3-Dichloropropene	<90.7	ug/L	302	90.7	25		07/21/20 11:13	10061-01-5	
m&p-Xylene	<11.6	ug/L	50.0	11.6	25		07/21/20 11:13	179601-23-1	
n-Butylbenzene	<17.7	ug/L	59.0	17.7	25		07/21/20 11:13	104-51-8	
n-Propylbenzene	<20.3	ug/L	125	20.3	25		07/21/20 11:13	103-65-1	
o-Xylene	<6.5	ug/L	25.0	6.5	25		07/21/20 11:13	95-47-6	
p-Isopropyltoluene	<20.0	ug/L	66.7	20.0	25		07/21/20 11:13	99-87-6	
sec-Butylbenzene	<21.2	ug/L	125	21.2	25		07/21/20 11:13	135-98-8	
tert-Butylbenzene	<7.6	ug/L	25.3	7.6	25		07/21/20 11:13	98-06-6	
trans-1,2-Dichloroethene	<11.6	ug/L	38.7	11.6	25		07/21/20 11:13	156-60-5	
trans-1,3-Dichloropropene	<109	ug/L	364	109	25		07/21/20 11:13	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		25		07/21/20 11:13	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		25		07/21/20 11:13	1868-53-7	
Toluene-d8 (S)	102	%	70-130		25		07/21/20 11:13	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO <sub>3</sub>	485	mg/L	10.0	5.0	1		07/23/20 18:35		
Alkalinity,Bicarbonate (CaCO <sub>3</sub> )	485	mg/L	10.0	5.0	1		07/23/20 18:35		
Alkalinity,Carbonate (CaCO <sub>3</sub> )	<5.0	mg/L	10.0	5.0	1		07/23/20 18:35		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-22A2-WG-20200716 Lab ID: 40211375010** Collected: 07/16/20 12:00 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C Pace Analytical Services - Green Bay							
Total Dissolved Solids	<b>2830</b>	mg/L	20.0	8.7	1		07/20/20 14:44		
<b>300.0 IC Anions</b>		Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay							
Sulfate	<b>10.5</b>	mg/L	10.0	2.2	5		07/20/20 12:49	14808-79-8	
<b>Total Organic Carbon</b>		Analytical Method: EPA 9060 Pace Analytical Services - Green Bay							
Total Organic Carbon	<b>10.6</b>	mg/L	1.5	0.25	3		07/29/20 15:47	7440-44-0	
Total Organic Carbon	<b>10.9</b>	mg/L	1.5	0.25	3		07/29/20 15:47	7440-44-0	
Total Organic Carbon	<b>11.1</b>	mg/L	1.5	0.25	3		07/29/20 15:47	7440-44-0	
Total Organic Carbon	<b>11.3</b>	mg/L	1.5	0.25	3		07/29/20 15:47	7440-44-0	
Mean Total Organic Carbon	<b>11.0</b>	mg/L	1.5	0.25	3		07/29/20 15:47	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample:** TS-MW-21A2-WG-20200716 **Lab ID:** 40211375011 **Collected:** 07/16/20 14:10 **Received:** 07/18/20 08:15 **Matrix:** Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	995	ug/L	700	153	125		07/30/20 13:02	74-84-0	
Ethene	22800	ug/L	625	150	125		07/30/20 13:02	74-85-1	
Methane	3880	ug/L	350	83.1	125		07/30/20 13:02	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	30200	ug/L	117	35.2	1	07/21/20 05:41	07/21/20 17:43	7439-89-6	
Manganese	394	ug/L	5.1	1.5	1	07/21/20 05:41	07/21/20 17:43	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	31000	ug/L	100	29.6	1		07/21/20 12:44	7439-89-6	D9
Manganese, Dissolved	378	ug/L	5.0	1.1	1		07/21/20 12:44	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<6.7	ug/L	25.0	6.7	25		07/21/20 11:34	630-20-6	
1,1,1-Trichloroethane	<6.1	ug/L	25.0	6.1	25		07/21/20 11:34	71-55-6	
1,1,2,2-Tetrachloroethane	<6.9	ug/L	25.0	6.9	25		07/21/20 11:34	79-34-5	
1,1,2-Trichloroethane	<13.8	ug/L	125	13.8	25		07/21/20 11:34	79-00-5	
1,1-Dichloroethane	<6.8	ug/L	25.0	6.8	25		07/21/20 11:34	75-34-3	
1,1-Dichloroethene	<6.1	ug/L	25.0	6.1	25		07/21/20 11:34	75-35-4	
1,1-Dichloropropene	<13.5	ug/L	45.0	13.5	25		07/21/20 11:34	563-58-6	
1,2,3-Trichlorobenzene	<55.3	ug/L	184	55.3	25		07/21/20 11:34	87-61-6	
1,2,3-Trichloropropane	<14.8	ug/L	125	14.8	25		07/21/20 11:34	96-18-4	
1,2,4-Trichlorobenzene	<23.8	ug/L	125	23.8	25		07/21/20 11:34	120-82-1	
1,2,4-Trimethylbenzene	<21.0	ug/L	70.0	21.0	25		07/21/20 11:34	95-63-6	
1,2-Dibromo-3-chloropropane	<44.1	ug/L	147	44.1	25		07/21/20 11:34	96-12-8	
1,2-Dibromoethane (EDB)	<20.7	ug/L	69.1	20.7	25		07/21/20 11:34	106-93-4	
1,2-Dichlorobenzene	<17.6	ug/L	58.8	17.6	25		07/21/20 11:34	95-50-1	
1,2-Dichloroethane	21200	ug/L	200	56.0	200		07/21/20 19:26	107-06-2	
1,2-Dichloropropane	<7.1	ug/L	25.0	7.1	25		07/21/20 11:34	78-87-5	
1,3,5-Trimethylbenzene	<21.8	ug/L	72.8	21.8	25		07/21/20 11:34	108-67-8	
1,3-Dichlorobenzene	<15.7	ug/L	52.3	15.7	25		07/21/20 11:34	541-73-1	
1,3-Dichloropropane	<20.6	ug/L	68.8	20.6	25		07/21/20 11:34	142-28-9	
1,4-Dichlorobenzene	<23.6	ug/L	78.6	23.6	25		07/21/20 11:34	106-46-7	
2,2-Dichloropropane	<56.6	ug/L	189	56.6	25		07/21/20 11:34	594-20-7	
2-Chlorotoluene	<23.2	ug/L	125	23.2	25		07/21/20 11:34	95-49-8	
4-Chlorotoluene	<18.9	ug/L	63.0	18.9	25		07/21/20 11:34	106-43-4	
Benzene	<6.2	ug/L	25.0	6.2	25		07/21/20 11:34	71-43-2	
Bromobenzene	<6.0	ug/L	25.0	6.0	25		07/21/20 11:34	108-86-1	
Bromochloromethane	<9.1	ug/L	125	9.1	25		07/21/20 11:34	74-97-5	
Bromodichloromethane	<9.1	ug/L	30.3	9.1	25		07/21/20 11:34	75-27-4	
Bromoform	<99.3	ug/L	331	99.3	25		07/21/20 11:34	75-25-2	
Bromomethane	<24.3	ug/L	125	24.3	25		07/21/20 11:34	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample:** TS-MW-21A2-WG-20200716    **Lab ID:** 40211375011    Collected: 07/16/20 14:10    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<26.9	ug/L	89.7	26.9	25		07/21/20 11:34	56-23-5	
Chlorobenzene	<17.8	ug/L	59.2	17.8	25		07/21/20 11:34	108-90-7	
Chloroethane	<33.6	ug/L	125	33.6	25		07/21/20 11:34	75-00-3	
Chloroform	<31.8	ug/L	125	31.8	25		07/21/20 11:34	67-66-3	
Chloromethane	<54.7	ug/L	182	54.7	25		07/21/20 11:34	74-87-3	
Dibromochloromethane	<65.0	ug/L	217	65.0	25		07/21/20 11:34	124-48-1	
Dibromomethane	<23.4	ug/L	78.1	23.4	25		07/21/20 11:34	74-95-3	
Dichlorodifluoromethane	<12.5	ug/L	125	12.5	25		07/21/20 11:34	75-71-8	
Diisopropyl ether	<47.2	ug/L	157	47.2	25		07/21/20 11:34	108-20-3	
Ethylbenzene	<8.0	ug/L	26.6	8.0	25		07/21/20 11:34	100-41-4	
Hexachloro-1,3-butadiene	<36.6	ug/L	122	36.6	25		07/21/20 11:34	87-68-3	
Isopropylbenzene (Cumene)	<42.2	ug/L	140	42.2	25		07/21/20 11:34	98-82-8	
Methyl-tert-butyl ether	<31.1	ug/L	104	31.1	25		07/21/20 11:34	1634-04-4	
Methylene Chloride	<14.5	ug/L	125	14.5	25		07/21/20 11:34	75-09-2	
Naphthalene	<29.4	ug/L	125	29.4	25		07/21/20 11:34	91-20-3	
Styrene	<75.2	ug/L	251	75.2	25		07/21/20 11:34	100-42-5	
Tetrachloroethene	<8.2	ug/L	27.2	8.2	25		07/21/20 11:34	127-18-4	
Toluene	<6.7	ug/L	22.4	6.7	25		07/21/20 11:34	108-88-3	
Trichloroethene	<6.4	ug/L	25.0	6.4	25		07/21/20 11:34	79-01-6	
Trichlorofluoromethane	<5.4	ug/L	25.0	5.4	25		07/21/20 11:34	75-69-4	
Vinyl chloride	52.1	ug/L	25.0	4.4	25		07/21/20 11:34	75-01-4	
cis-1,2-Dichloroethene	<6.8	ug/L	25.0	6.8	25		07/21/20 11:34	156-59-2	
cis-1,3-Dichloropropene	<90.7	ug/L	302	90.7	25		07/21/20 11:34	10061-01-5	
m&p-Xylene	<11.6	ug/L	50.0	11.6	25		07/21/20 11:34	179601-23-1	
n-Butylbenzene	<17.7	ug/L	59.0	17.7	25		07/21/20 11:34	104-51-8	
n-Propylbenzene	<20.3	ug/L	125	20.3	25		07/21/20 11:34	103-65-1	
o-Xylene	<6.5	ug/L	25.0	6.5	25		07/21/20 11:34	95-47-6	
p-Isopropyltoluene	<20.0	ug/L	66.7	20.0	25		07/21/20 11:34	99-87-6	
sec-Butylbenzene	<21.2	ug/L	125	21.2	25		07/21/20 11:34	135-98-8	
tert-Butylbenzene	<7.6	ug/L	25.3	7.6	25		07/21/20 11:34	98-06-6	
trans-1,2-Dichloroethene	<11.6	ug/L	38.7	11.6	25		07/21/20 11:34	156-60-5	
trans-1,3-Dichloropropene	<109	ug/L	364	109	25		07/21/20 11:34	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		25		07/21/20 11:34	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		25		07/21/20 11:34	1868-53-7	
Toluene-d8 (S)	101	%	70-130		25		07/21/20 11:34	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	494	mg/L	10.0	5.0	1		07/23/20 19:02		
Alkalinity,Bicarbonate (CaCO3)	494	mg/L	10.0	5.0	1		07/23/20 19:02		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/23/20 19:02		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-21A2-WG-20200716 Lab ID: 40211375011** Collected: 07/16/20 14:10 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>2680</b>	mg/L	20.0	8.7	1		07/20/20 14:45		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<b>4.2J</b>	mg/L	10.0	2.2	5		07/20/20 13:03	14808-79-8	D3
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>11.2</b>	mg/L	3.0	0.51	6		07/29/20 16:16	7440-44-0	
Total Organic Carbon	<b>11.3</b>	mg/L	3.0	0.51	6		07/29/20 16:16	7440-44-0	
Total Organic Carbon	<b>11.3</b>	mg/L	3.0	0.51	6		07/29/20 16:16	7440-44-0	
Total Organic Carbon	<b>12.2</b>	mg/L	3.0	0.51	6		07/29/20 16:16	7440-44-0	
Mean Total Organic Carbon	<b>11.5</b>	mg/L	3.0	0.51	6		07/29/20 16:16	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-24B-WG-20200716**    **Lab ID: 40211375012**    Collected: 07/16/20 16:40    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	151	ug/L	5.6	1.2	1		07/30/20 11:21	74-84-0	
Ethene	6070	ug/L	125	30.0	25		07/30/20 13:44	74-85-1	
Methane	571	ug/L	70.0	16.6	25		07/30/20 13:44	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	4400	ug/L	117	35.2	1	07/21/20 05:41	07/21/20 17:50	7439-89-6	
Manganese	610	ug/L	5.1	1.5	1	07/21/20 05:41	07/21/20 17:50	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	4180	ug/L	100	29.6	1		07/21/20 12:47	7439-89-6	
Manganese, Dissolved	573	ug/L	5.0	1.1	1		07/21/20 12:47	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 18:00	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 18:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 18:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 18:00	75-34-3	
1,1-Dichloroethene	0.78J	ug/L	1.0	0.24	1		07/21/20 18:00	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 18:00	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 18:00	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 18:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 18:00	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 18:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 18:00	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 18:00	95-50-1	
1,2-Dichloroethane	5.8	ug/L	1.0	0.28	1		07/21/20 18:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 18:00	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 18:00	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 18:00	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 18:00	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 18:00	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 18:00	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 18:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 18:00	106-43-4	
Benzene	0.44J	ug/L	1.0	0.25	1		07/21/20 18:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 18:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 18:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 18:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 18:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 18:00	74-83-9	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

**Sample: TS-MW-24B-WG-20200716**    **Lab ID: 40211375012**    Collected: 07/16/20 16:40    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 18:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 18:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 18:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 18:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 18:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 18:00	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 18:00	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 18:00	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 18:00	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 18:00	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 18:00	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 18:00	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 18:00	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 18:00	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 18:00	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 18:00	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 18:00	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 18:00	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 18:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 18:00	75-69-4	
Vinyl chloride	22.7	ug/L	1.0	0.17	1		07/21/20 18:00	75-01-4	
cis-1,2-Dichloroethene	10.2	ug/L	1.0	0.27	1		07/21/20 18:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 18:00	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 18:00	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 18:00	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 18:00	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 18:00	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 18:00	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 18:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 18:00	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 18:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 18:00	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/21/20 18:00	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/21/20 18:00	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/21/20 18:00	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B  
Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO <sub>3</sub>	330	mg/L	10.0	5.0	1		07/23/20 19:14		
Alkalinity,Bicarbonate (CaCO <sub>3</sub> )	330	mg/L	10.0	5.0	1		07/23/20 19:14		
Alkalinity,Carbonate (CaCO <sub>3</sub> )	<5.0	mg/L	10.0	5.0	1		07/23/20 19:14		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TS-MW-24B-WG-20200716**    **Lab ID: 40211375012**    Collected: 07/16/20 16:40    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>3740</b>	mg/L	20.0	8.7	1		07/20/20 14:45		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<b>86.3</b>	mg/L	10.0	2.2	5		07/20/20 13:18	14808-79-8	
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060 Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>4.1</b>	mg/L	1.5	0.25	3		07/29/20 16:42	7440-44-0	
Total Organic Carbon	<b>4.0</b>	mg/L	1.5	0.25	3		07/29/20 16:42	7440-44-0	
Total Organic Carbon	<b>3.9</b>	mg/L	1.5	0.25	3		07/29/20 16:42	7440-44-0	
Total Organic Carbon	<b>3.9</b>	mg/L	1.5	0.25	3		07/29/20 16:42	7440-44-0	
Mean Total Organic Carbon	<b>4.0</b>	mg/L	1.5	0.25	3		07/29/20 16:42	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: DUP-001-WG-20200716**    **Lab ID: 40211375013**    Collected: 07/16/20 00:00    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 10:30	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 10:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 10:30	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 10:30	79-00-5	
1,1-Dichloroethane	1.5	ug/L	1.0	0.27	1		07/21/20 10:30	75-34-3	
1,1-Dichloroethene	1.2	ug/L	1.0	0.24	1		07/21/20 10:30	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 10:30	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 10:30	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 10:30	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 10:30	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 10:30	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 10:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 10:30	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 10:30	95-50-1	
1,2-Dichloroethane	21600	ug/L	100	28.0	100		07/21/20 18:22	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 10:30	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 10:30	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 10:30	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 10:30	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 10:30	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 10:30	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 10:30	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 10:30	106-43-4	
Benzene	5.6	ug/L	1.0	0.25	1		07/21/20 10:30	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 10:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 10:30	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 10:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 10:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 10:30	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 10:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 10:30	108-90-7	
Chloroethane	12.5	ug/L	5.0	1.3	1		07/21/20 10:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 10:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 10:30	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 10:30	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 10:30	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 10:30	75-71-8	
Diisopropyl ether	22.5	ug/L	6.3	1.9	1		07/21/20 10:30	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 10:30	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 10:30	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 10:30	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 10:30	1634-04-4	
Methylene Chloride	1.0J	ug/L	5.0	0.58	1		07/21/20 10:30	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 10:30	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 10:30	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: DUP-001-WG-20200716**    **Lab ID: 40211375013**    Collected: 07/16/20 00:00    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 10:30	127-18-4	
Toluene	0.85J	ug/L	0.90	0.27	1		07/21/20 10:30	108-88-3	
Trichloroethene	4.2	ug/L	1.0	0.26	1		07/21/20 10:30	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 10:30	75-69-4	
Vinyl chloride	58.9	ug/L	1.0	0.17	1		07/21/20 10:30	75-01-4	
cis-1,2-Dichloroethene	9.3	ug/L	1.0	0.27	1		07/21/20 10:30	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 10:30	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 10:30	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 10:30	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 10:30	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 10:30	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 10:30	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 10:30	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 10:30	98-06-6	
trans-1,2-Dichloroethene	2.0	ug/L	1.5	0.46	1		07/21/20 10:30	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 10:30	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/21/20 10:30	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/21/20 10:30	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/21/20 10:30	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TRIP BLANK**      **Lab ID: 40211375014**      Collected: 07/16/20 00:00      Received: 07/18/20 08:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 14:47	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 14:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 14:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 14:47	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 14:47	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 14:47	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 14:47	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 14:47	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 14:47	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 14:47	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 14:47	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 14:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 14:47	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 14:47	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 14:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 14:47	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 14:47	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 14:47	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 14:47	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 14:47	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 14:47	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 14:47	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 14:47	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 14:47	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 14:47	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 14:47	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 14:47	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 14:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 14:47	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 14:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 14:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 14:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 14:47	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 14:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 14:47	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 14:47	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 14:47	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 14:47	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 14:47	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 14:47	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 14:47	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 14:47	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 14:47	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 14:47	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 14:47	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

**Sample: TRIP BLANK**      **Lab ID: 40211375014**      Collected: 07/16/20 00:00      Received: 07/18/20 08:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 14:47	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 14:47	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 14:47	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 14:47	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 14:47	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 14:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 14:47	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 14:47	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 14:47	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 14:47	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 14:47	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 14:47	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 14:47	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 14:47	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 14:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 14:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/21/20 14:47	460-00-4	HS
Dibromofluoromethane (S)	107	%	70-130		1		07/21/20 14:47	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/21/20 14:47	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

QC Batch: 361635 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2090554 Matrix: Water  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	07/30/20 09:56	
Ethene	ug/L	<1.2	5.0	07/30/20 09:56	
Methane	ug/L	<0.66	2.8	07/30/20 09:56	

LABORATORY CONTROL SAMPLE & LCSD: 2090555

Parameter	Units	2090556								Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD			
Ethane	ug/L	53.6	55.5	56.1	104	105	80-120	1	20		
Ethene	ug/L	50	51.0	51.9	102	104	80-120	2	20		
Methane	ug/L	28.6	29.2	29.4	102	103	79-120	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2090557

Parameter	Units	2090558										
		40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	2140	2140	2140	2200	100	103	79-120	3	20	
Ethene	ug/L	<1.2	2000	2000	1950	2010	97	101	79-120	3	20	
Methane	ug/L	4950	1140	1140	13700	13500	767	751	10-200	1	20	E,M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

QC Batch: 360780 Analysis Method: EPA 6010  
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2086072 Matrix: Water  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<29.6	100	07/21/20 12:09	
Manganese, Dissolved	ug/L	<1.1	5.0	07/21/20 12:09	

LABORATORY CONTROL SAMPLE: 2086073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	5100	102	80-120	
Manganese, Dissolved	ug/L	500	484	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2086074 2086075

Parameter	Units	40211372001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	<29.6	5000	5000	4870	4870	97	97	75-125	0	20	
Manganese, Dissolved	ug/L	4120	500	500	4580	4590	92	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

QC Batch:	360731	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2085879 Matrix: Water  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<35.2	117	07/22/20 11:21	
Manganese	ug/L	<1.5	5.1	07/22/20 11:21	

LABORATORY CONTROL SAMPLE: 2085880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	5360	107	80-120	
Manganese	ug/L	500	508	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2085881 2085882

Parameter	Units	40211349001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1020	5000	5000	6260	6250	105	105	75-125	0	20	
Manganese	ug/L	539	500	500	1030	1040	99	100	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

QC Batch: 360644 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211375001, 40211375002, 40211375003, 40211375004

METHOD BLANK: 2085389 Matrix: Water  
Associated Lab Samples: 40211375001, 40211375002, 40211375003, 40211375004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/21/20 07:48	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/21/20 07:48	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/21/20 07:48	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/21/20 07:48	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/21/20 07:48	
1,1-Dichloroethene	ug/L	0.26J	1.0	07/21/20 07:48	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/21/20 07:48	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/21/20 07:48	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/21/20 07:48	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/21/20 07:48	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/21/20 07:48	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/21/20 07:48	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/21/20 07:48	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/21/20 07:48	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/21/20 07:48	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/21/20 07:48	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/21/20 07:48	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/21/20 07:48	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/21/20 07:48	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/21/20 07:48	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/21/20 07:48	
2-Chlorotoluene	ug/L	<0.93	5.0	07/21/20 07:48	
4-Chlorotoluene	ug/L	<0.76	2.5	07/21/20 07:48	
Benzene	ug/L	<0.25	1.0	07/21/20 07:48	
Bromobenzene	ug/L	<0.24	1.0	07/21/20 07:48	
Bromochloromethane	ug/L	<0.36	5.0	07/21/20 07:48	
Bromodichloromethane	ug/L	<0.36	1.2	07/21/20 07:48	
Bromoform	ug/L	<4.0	13.2	07/21/20 07:48	
Bromomethane	ug/L	<0.97	5.0	07/21/20 07:48	
Carbon tetrachloride	ug/L	<1.1	3.6	07/21/20 07:48	
Chlorobenzene	ug/L	<0.71	2.4	07/21/20 07:48	
Chloroethane	ug/L	<1.3	5.0	07/21/20 07:48	
Chloroform	ug/L	<1.3	5.0	07/21/20 07:48	
Chloromethane	ug/L	<2.2	7.3	07/21/20 07:48	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/21/20 07:48	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/21/20 07:48	
Dibromochloromethane	ug/L	<2.6	8.7	07/21/20 07:48	
Dibromomethane	ug/L	<0.94	3.1	07/21/20 07:48	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/21/20 07:48	
Diisopropyl ether	ug/L	<1.9	6.3	07/21/20 07:48	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

METHOD BLANK: 2085389 Matrix: Water  
Associated Lab Samples: 40211375001, 40211375002, 40211375003, 40211375004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	07/21/20 07:48	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/21/20 07:48	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/21/20 07:48	
m&p-Xylene	ug/L	<0.47	2.0	07/21/20 07:48	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/21/20 07:48	
Methylene Chloride	ug/L	<0.58	5.0	07/21/20 07:48	
n-Butylbenzene	ug/L	<0.71	2.4	07/21/20 07:48	
n-Propylbenzene	ug/L	<0.81	5.0	07/21/20 07:48	
Naphthalene	ug/L	<1.2	5.0	07/21/20 07:48	
o-Xylene	ug/L	<0.26	1.0	07/21/20 07:48	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/21/20 07:48	
sec-Butylbenzene	ug/L	<0.85	5.0	07/21/20 07:48	
Styrene	ug/L	<3.0	10.0	07/21/20 07:48	
tert-Butylbenzene	ug/L	<0.30	1.0	07/21/20 07:48	
Tetrachloroethene	ug/L	<0.33	1.1	07/21/20 07:48	
Toluene	ug/L	<0.27	0.90	07/21/20 07:48	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/21/20 07:48	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/21/20 07:48	
Trichloroethene	ug/L	<0.26	1.0	07/21/20 07:48	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/21/20 07:48	
Vinyl chloride	ug/L	<0.17	1.0	07/21/20 07:48	
4-Bromofluorobenzene (S)	%	95	70-130	07/21/20 07:48	
Dibromofluoromethane (S)	%	103	70-130	07/21/20 07:48	
Toluene-d8 (S)	%	98	70-130	07/21/20 07:48	

LABORATORY CONTROL SAMPLE: 2085390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.4	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.5	97	64-131	
1,1,2-Trichloroethane	ug/L	50	48.0	96	70-130	
1,1-Dichloroethane	ug/L	50	56.4	113	69-163	
1,1-Dichloroethene	ug/L	50	54.8	110	77-123	
1,2,4-Trichlorobenzene	ug/L	50	47.2	94	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.4	89	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.4	95	70-130	
1,2-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dichloroethane	ug/L	50	49.1	98	78-142	
1,2-Dichloropropane	ug/L	50	52.2	104	86-134	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	52.0	104	70-130	
Bromodichloromethane	ug/L	50	47.8	96	70-130	
Bromoform	ug/L	50	43.6	87	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

LABORATORY CONTROL SAMPLE: 2085390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	46.8	94	39-129	
Carbon tetrachloride	ug/L	50	54.8	110	70-132	
Chlorobenzene	ug/L	50	50.7	101	70-130	
Chloroethane	ug/L	50	54.8	110	66-140	
Chloroform	ug/L	50	54.6	109	75-132	
Chloromethane	ug/L	50	54.3	109	32-143	
cis-1,2-Dichloroethene	ug/L	50	50.6	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.7	99	70-130	
Dibromochloromethane	ug/L	50	47.5	95	70-130	
Dichlorodifluoromethane	ug/L	50	58.4	117	10-141	
Ethylbenzene	ug/L	50	51.7	103	80-120	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	47.5	95	61-129	
Methylene Chloride	ug/L	50	53.5	107	70-130	
o-Xylene	ug/L	50	50.2	100	70-130	
Styrene	ug/L	50	50.2	100	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	50.3	101	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.8	92	69-130	
Trichloroethene	ug/L	50	54.3	109	70-130	
Trichlorofluoromethane	ug/L	50	62.4	125	75-145	
Vinyl chloride	ug/L	50	59.5	119	51-140	
4-Bromofluorobenzene (S)	%			96	70-130	
Dibromofluoromethane (S)	%			106	70-130	
Toluene-d8 (S)	%			99	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

---

QC Batch:	360672	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40211375005, 40211375006, 40211375007, 40211375008, 40211375009, 40211375010, 40211375011, 40211375012, 40211375013, 40211375014

---

METHOD BLANK: 2085502 Matrix: Water  
Associated Lab Samples: 40211375005, 40211375006, 40211375007, 40211375008, 40211375009, 40211375010, 40211375011, 40211375012, 40211375013, 40211375014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/21/20 09:04	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/21/20 09:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/21/20 09:04	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/21/20 09:04	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/21/20 09:04	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/21/20 09:04	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/21/20 09:04	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/21/20 09:04	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/21/20 09:04	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/21/20 09:04	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/21/20 09:04	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/21/20 09:04	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/21/20 09:04	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/21/20 09:04	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/21/20 09:04	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/21/20 09:04	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/21/20 09:04	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/21/20 09:04	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/21/20 09:04	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/21/20 09:04	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/21/20 09:04	
2-Chlorotoluene	ug/L	<0.93	5.0	07/21/20 09:04	
4-Chlorotoluene	ug/L	<0.76	2.5	07/21/20 09:04	
Benzene	ug/L	<0.25	1.0	07/21/20 09:04	
Bromobenzene	ug/L	<0.24	1.0	07/21/20 09:04	
Bromochloromethane	ug/L	<0.36	5.0	07/21/20 09:04	
Bromodichloromethane	ug/L	<0.36	1.2	07/21/20 09:04	
Bromoform	ug/L	<4.0	13.2	07/21/20 09:04	
Bromomethane	ug/L	<0.97	5.0	07/21/20 09:04	
Carbon tetrachloride	ug/L	<1.1	3.6	07/21/20 09:04	
Chlorobenzene	ug/L	<0.71	2.4	07/21/20 09:04	
Chloroethane	ug/L	<1.3	5.0	07/21/20 09:04	
Chloroform	ug/L	<1.3	5.0	07/21/20 09:04	
Chloromethane	ug/L	<2.2	7.3	07/21/20 09:04	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/21/20 09:04	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/21/20 09:04	
Dibromochloromethane	ug/L	<2.6	8.7	07/21/20 09:04	
Dibromomethane	ug/L	<0.94	3.1	07/21/20 09:04	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/21/20 09:04	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

METHOD BLANK: 2085502

Matrix: Water

Associated Lab Samples: 40211375005, 40211375006, 40211375007, 40211375008, 40211375009, 40211375010, 40211375011, 40211375012, 40211375013, 40211375014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.9	6.3	07/21/20 09:04	
Ethylbenzene	ug/L	<0.32	1.1	07/21/20 09:04	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/21/20 09:04	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/21/20 09:04	
m&p-Xylene	ug/L	<0.47	2.0	07/21/20 09:04	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/21/20 09:04	
Methylene Chloride	ug/L	<0.58	5.0	07/21/20 09:04	
n-Butylbenzene	ug/L	<0.71	2.4	07/21/20 09:04	
n-Propylbenzene	ug/L	<0.81	5.0	07/21/20 09:04	
Naphthalene	ug/L	<1.2	5.0	07/21/20 09:04	
o-Xylene	ug/L	<0.26	1.0	07/21/20 09:04	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/21/20 09:04	
sec-Butylbenzene	ug/L	<0.85	5.0	07/21/20 09:04	
Styrene	ug/L	<3.0	10.0	07/21/20 09:04	
tert-Butylbenzene	ug/L	<0.30	1.0	07/21/20 09:04	
Tetrachloroethene	ug/L	<0.33	1.1	07/21/20 09:04	
Toluene	ug/L	<0.27	0.90	07/21/20 09:04	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/21/20 09:04	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/21/20 09:04	
Trichloroethene	ug/L	<0.26	1.0	07/21/20 09:04	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/21/20 09:04	
Vinyl chloride	ug/L	<0.17	1.0	07/21/20 09:04	
4-Bromofluorobenzene (S)	%	92	70-130	07/21/20 09:04	
Dibromofluoromethane (S)	%	102	70-130	07/21/20 09:04	
Toluene-d8 (S)	%	103	70-130	07/21/20 09:04	

LABORATORY CONTROL SAMPLE: 2085503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	64-131	
1,1,2-Trichloroethane	ug/L	50	49.1	98	70-130	
1,1-Dichloroethane	ug/L	50	52.6	105	69-163	
1,1-Dichloroethene	ug/L	50	50.8	102	77-123	
1,2,4-Trichlorobenzene	ug/L	50	47.8	96	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	70-130	
1,2-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,2-Dichloroethane	ug/L	50	52.3	105	78-142	
1,2-Dichloropropane	ug/L	50	51.6	103	86-134	
1,3-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,4-Dichlorobenzene	ug/L	50	46.6	93	70-130	
Benzene	ug/L	50	51.6	103	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

LABORATORY CONTROL SAMPLE: 2085503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	51.6	103	70-130	
Bromoform	ug/L	50	47.5	95	70-130	
Bromomethane	ug/L	50	36.8	74	39-129	
Carbon tetrachloride	ug/L	50	54.3	109	70-132	
Chlorobenzene	ug/L	50	50.8	102	70-130	
Chloroethane	ug/L	50	51.2	102	66-140	
Chloroform	ug/L	50	49.3	99	75-132	
Chloromethane	ug/L	50	50.9	102	32-143	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.5	95	70-130	
Dibromochloromethane	ug/L	50	45.2	90	70-130	
Dichlorodifluoromethane	ug/L	50	54.2	108	10-141	
Ethylbenzene	ug/L	50	52.0	104	80-120	
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	61-129	
Methylene Chloride	ug/L	50	49.1	98	70-130	
o-Xylene	ug/L	50	50.0	100	70-130	
Styrene	ug/L	50	46.2	92	70-130	
Tetrachloroethene	ug/L	50	46.3	93	70-130	
Toluene	ug/L	50	50.0	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	69-130	
Trichloroethene	ug/L	50	50.7	101	70-130	
Trichlorofluoromethane	ug/L	50	53.9	108	75-145	
Vinyl chloride	ug/L	50	54.9	110	51-140	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2085939 2085940

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375006 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	53.9	54.1	108	108	70-130	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.5	52.1	103	104	64-137	1	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.3	50.9	101	102	70-137	1	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	53.8	52.9	108	106	69-163	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	51.1	49.8	102	100	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.7	50.2	99	100	68-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	49.9	51.0	100	102	60-130	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.2	51.5	100	103	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	48.7	49.3	97	99	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.28	50	50	53.8	53.7	108	107	78-145	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Parameter	Units	2085939		2085940		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloropropane	ug/L	<0.28	50	50	53.0	53.3	106	107	86-135	1	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.0	49.6	96	99	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.1	48.2	96	96	70-130	0	20		
Benzene	ug/L	<0.25	50	50	53.7	53.1	107	106	70-136	1	20		
Bromodichloromethane	ug/L	<0.36	50	50	52.1	52.3	104	105	70-130	0	20		
Bromoform	ug/L	<4.0	50	50	48.7	50.2	97	100	69-130	3	20		
Bromomethane	ug/L	<0.97	50	50	36.4	39.2	73	78	39-138	8	20		
Carbon tetrachloride	ug/L	<1.1	50	50	56.2	55.5	112	111	70-142	1	20		
Chlorobenzene	ug/L	<0.71	50	50	52.1	52.7	104	105	70-130	1	20		
Chloroethane	ug/L	<1.3	50	50	48.7	47.9	97	96	61-149	2	20		
Chloroform	ug/L	<1.3	50	50	50.5	50.5	101	101	75-133	0	20		
Chloromethane	ug/L	<2.2	50	50	45.0	43.9	90	88	32-143	2	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.3	50.1	101	100	70-130	0	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	48.0	49.2	96	98	70-130	2	20		
Dibromochloromethane	ug/L	<2.6	50	50	46.5	46.2	93	92	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.1	36.2	74	72	10-141	3	20		
Ethylbenzene	ug/L	<0.32	50	50	54.3	54.1	109	108	80-120	0	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	48.9	49.2	98	98	70-130	1	20		
m&p-Xylene	ug/L	<0.47	100	100	106	107	106	107	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.4	48.9	99	98	61-136	1	20		
Methylene Chloride	ug/L	<0.58	50	50	51.2	49.3	102	99	68-137	4	20		
o-Xylene	ug/L	<0.26	50	50	51.5	52.2	103	104	70-130	1	20		
Styrene	ug/L	<3.0	50	50	47.5	48.2	95	96	70-130	1	20		
Tetrachloroethene	ug/L	<0.33	50	50	49.1	48.7	98	97	70-130	1	20		
Toluene	ug/L	<0.27	50	50	52.2	51.7	104	103	80-120	1	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	51.2	51.1	102	102	70-130	0	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.4	47.1	95	94	69-130	0	20		
Trichloroethene	ug/L	<0.26	50	50	51.3	52.5	103	105	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	53.4	53.6	107	107	74-157	0	20		
Vinyl chloride	ug/L	<0.17	50	50	49.6	49.3	99	99	51-140	1	20		
4-Bromofluorobenzene (S)	%						101	102	70-130				
Dibromofluoromethane (S)	%						104	103	70-130				
Toluene-d8 (S)	%						103	102	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

QC Batch:	361072	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2087446 Matrix: Water

Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<5.0	10.0	07/23/20 16:02	

LABORATORY CONTROL SAMPLE: 2087447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	200	201	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087448 2087449

Parameter	Units	2087448		2087449		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	545	200	200	734	739	94	97	80-120	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211375

QC Batch: 360705

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2085636

Matrix: Water

Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	07/20/20 14:41	

LABORATORY CONTROL SAMPLE: 2085637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	550	94	80-120	

SAMPLE DUPLICATE: 2085638

Parameter	Units	40211117002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	528	518	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

QC Batch: 360599 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2085311 Matrix: Water  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	07/20/20 10:54	

LABORATORY CONTROL SAMPLE: 2085312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2085313 2085314

Parameter	Units	2085313		2085314		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Sulfate	mg/L	4.4J	100	100	111	111	106	107	90-110	0	15

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211375

QC Batch: 361136 Analysis Method: EPA 9060  
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

METHOD BLANK: 2087716 Matrix: Water  
Associated Lab Samples: 40211375009, 40211375010, 40211375011, 40211375012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	

LABORATORY CONTROL SAMPLE: 2087717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	12.0	96	80-120	
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087718 2087719

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375009 Result	Spike Conc.	Spike Conc.	Result						
Mean Total Organic Carbon	mg/L	10.8	18	18	28.6	28.5	99	98	80-120	0	20
Total Organic Carbon	mg/L	10.7	18	18	28.2	28.5	97	99		1	
Total Organic Carbon	mg/L	10.6	18	18	29.2	28.4	103	99		3	
Total Organic Carbon	mg/L	11.0	18	18	28.4	28.2	97	96		1	
Total Organic Carbon	mg/L	10.9	18	18	28.5	28.9	98	100		1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 0441161 910 MAYER

Pace Project No.: 40211375

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 910 MAYER

Pace Project No.: 40211375

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40211375009	TS-MW-23A2-WG-20200716	EPA 8015B Modified	361635		
40211375010	TS-MW-22A2-WG-20200716	EPA 8015B Modified	361635		
40211375011	TS-MW-21A2-WG-20200716	EPA 8015B Modified	361635		
40211375012	TS-MW-24B-WG-20200716	EPA 8015B Modified	361635		
40211375009	TS-MW-23A2-WG-20200716	EPA 3010	360731	EPA 6010	360808
40211375010	TS-MW-22A2-WG-20200716	EPA 3010	360731	EPA 6010	360808
40211375011	TS-MW-21A2-WG-20200716	EPA 3010	360731	EPA 6010	360808
40211375012	TS-MW-24B-WG-20200716	EPA 3010	360731	EPA 6010	360808
40211375009	TS-MW-23A2-WG-20200716	EPA 6010	360780		
40211375010	TS-MW-22A2-WG-20200716	EPA 6010	360780		
40211375011	TS-MW-21A2-WG-20200716	EPA 6010	360780		
40211375012	TS-MW-24B-WG-20200716	EPA 6010	360780		
40211375001	SR-MW-14-WG-20200713	EPA 8260	360644		
40211375002	SR-MW-15-WG-20200714	EPA 8260	360644		
40211375003	SR-MW-16A-WG-20200714	EPA 8260	360644		
40211375004	SR-MW-16B-WG-20200714	EPA 8260	360644		
40211375005	TS-MW-20C-WG-20200715	EPA 8260	360672		
40211375006	TS-MW-20A-WG-20200715	EPA 8260	360672		
40211375007	TS-MW-18A-WG-20200715	EPA 8260	360672		
40211375008	TS-MW-18B-WG-20200715	EPA 8260	360672		
40211375009	TS-MW-23A2-WG-20200716	EPA 8260	360672		
40211375010	TS-MW-22A2-WG-20200716	EPA 8260	360672		
40211375011	TS-MW-21A2-WG-20200716	EPA 8260	360672		
40211375012	TS-MW-24B-WG-20200716	EPA 8260	360672		
40211375013	DUP-001-WG-20200716	EPA 8260	360672		
40211375014	TRIP BLANK	EPA 8260	360672		
40211375009	TS-MW-23A2-WG-20200716	SM 2320B	361072		
40211375010	TS-MW-22A2-WG-20200716	SM 2320B	361072		
40211375011	TS-MW-21A2-WG-20200716	SM 2320B	361072		
40211375012	TS-MW-24B-WG-20200716	SM 2320B	361072		
40211375009	TS-MW-23A2-WG-20200716	SM 2540C	360705		
40211375010	TS-MW-22A2-WG-20200716	SM 2540C	360705		
40211375011	TS-MW-21A2-WG-20200716	SM 2540C	360705		
40211375012	TS-MW-24B-WG-20200716	SM 2540C	360705		
40211375009	TS-MW-23A2-WG-20200716	EPA 300.0	360599		
40211375010	TS-MW-22A2-WG-20200716	EPA 300.0	360599		
40211375011	TS-MW-21A2-WG-20200716	EPA 300.0	360599		
40211375012	TS-MW-24B-WG-20200716	EPA 300.0	360599		
40211375009	TS-MW-23A2-WG-20200716	EPA 9060	361136		
40211375010	TS-MW-22A2-WG-20200716	EPA 9060	361136		
40211375011	TS-MW-21A2-WG-20200716	EPA 9060	361136		
40211375012	TS-MW-24B-WG-20200716	EPA 9060	361136		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **W1/Waukee**  
 Project Contact: **Duncan Favill**  
 Phone: **262-424-4288**  
 Project Number: **0441161**  
 Project Name: **910 Meyer**  
 Project State: **WI**  
 Sampled By (Print): **DUNCAN FAVILL**  
 Sampled By (Sign): *[Signature]*  
 PO #: \_\_\_\_\_  
 Regulatory Program: **WDNR**



# CHAIN OF CUSTODY

Preservation Codes:  
 A=None B=HCL C=H2SO4 D=HNO3 E=D Water F=Methanol G=NaOH  
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J= Other

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	
					V/I	Pick Letter
001	SR-MM-14-W6-20200713	7/13/20	1615	GW	X	B
002	SR-MM-15-W6-20200714	7/14/20	1335	GW	X	B
003	SR-MM-16A-W6-20200714	7/14/20	1455	GW	X	B
004	SR-MM-16B-W6-20200714	7/14/20	1600	GW	X	B
005	TS-MM-20C-W6-20200715	7/15/20	940	GW	X	B
006	TS-MM-20A-W6-20200715	7/15/20	1210	GW	X	B
007	TS-MM-18A-W6-20200715	7/15/20	1310	GW	X	B
008	TS-MM-18B-W6-20200715	7/15/20	1435	GW	X	B
009	TS-MM-23A2-W6-20200716	7/16/20	1005	GW	X	B
010	TS-MM-22A2-W6-20200716	7/16/20	1200	GW	X	B
011	TS-MM-21A2-W6-20200716	7/16/20	1410	GW	X	B
012	TS-MM-24B-W6-20200716	7/16/20	1640	GW	X	B
013	DR-001-W6-20200716	7/16/20	---	GW	X	B

Data Package Options:  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample  
 Matrix Codes:  
 A=Air B=Bioa C=Charcoal O=Oil S=Soil SI=Sludge  
 W=Water DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water WP=Wipe

Y/N	Pick Letter	VOCs	Methane, ethane, ethene	TDS + Alkalinity	Sulfate + Nitrate	TOC 9060 Quads	Total Fe/Mn	Dissolved Fe/Mn
N	B	X						
N	B	X						
N	A	X						
N	A	X						
N	C	X						
N	D	X						
Y	D	X						

Upper Midwest Region  
 MN: 612-607-1700 WI: 920-469-2436  
 Page 1 of 1


Quote #: \_\_\_\_\_  
 Mail To Contact: **david.decourcy@erm.com**  
 Mail To Company: **erm.com**  
 Mail To Address: \_\_\_\_\_  
 Invoice To Contact: **erm accounts payable @erm.com**  
 Invoice To Company: **@erm.com**  
 Invoice To Address: **duncan.favill @erm.com**  
 Invoice To Phone: \_\_\_\_\_  
 CLIENT COMMENTS: \_\_\_\_\_  
 LAB COMMENTS (Lab Use Only): \_\_\_\_\_  
 Profile #: \_\_\_\_\_

Chain of Custody Signatures:  
 Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)  
 Date Needed: **Standard TAT**  
 Transmit Prelim Rush Results by (complete what you want):  
 Email #1: \_\_\_\_\_  
 Email #2: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: **7/18/20 0815**  
 Received By: *[Signature]* Date/Time: **7/18/20 0815**  
 Relinquished By: *[Signature]* Date/Time: **7/17/2020**  
 Received By: *[Signature]* Date/Time: **7/18/20 0815**

Labels missing "TS", should be included in shipment, lab added to COC. 7/18/20 WP  
 DTB received in shipment, lab added to COC. 7/18/20 WP  
 PAGE Project No. **40211375**  
 Receipt Temp = **RST** °C  
 Sample Receipt pH **OK/ Adjusted**  
 Cooler/Custody Seal **Present / Not Present**  
 Intact / Not Intact



 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Client Name: ERM  
 Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

**WO#: 40211375**



40211375

Tracking #: 1806 071720  
 Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no  
 Custody Seal on Samples Present:  yes  no Seals intact:  yes  no  
 Packing Material:  Bubble Wrap  Bubble Bags  None  Other  
 Thermometer Used SR - N/A Type of Ice:  Blue  Dry  None  
 Cooler Temperature Uncorr: Ref / Corr: \_\_\_\_\_

Samples on ice, cooling process has begun

Person examining contents: Date: <u>7/18/20</u> Initials: <u>MLR</u>
Labeled By Initials: <u>MLR</u>

Temp Blank Present:  yes  no Biological Tissue is Frozen:  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. Inverse to phone + company, mail address + company
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. pg# 1
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. 7/18/20 MLR
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time:
Short Hold Time Analysis (<72hr): <u>MLR 7-18-20</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8. Received DTB in shipment, lab added to COC. 7/18/20
Correct Containers Used: - Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A - Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		9. MLR
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis Matrix: <u>W</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. no HMR LN 012V69H MLR 7-18-20
Trip Blank Present: Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Pace Trip Blank Lot # (if purchased): <u>449</u>		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: heavy sediment vials: 005 MLR 7-18-20

August 03, 2020

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 0441161 910 MAYER  
Pace Project No.: 40211380

Dear David deCourcy-Bower:

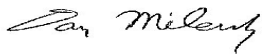
Enclosed are the analytical results for sample(s) received by the laboratory on July 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Andrew DeWitt, ERM, Inc.  
Morgan Johnson, ERM, INC.  
Paul Sterkenburg, ERM, INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 0441161 910 MAYER

Pace Project No.: 40211380

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40211380001	FB-001-WQ-20200716	Water	07/16/20 12:35	07/18/20 08:15
40211380002	TS-MW-19A-WG-20200717	Water	07/17/20 09:15	07/18/20 08:15
40211380003	TS-MW-19B-WG-20200717	Water	07/17/20 11:35	07/18/20 08:15
40211380004	TS-MW-20B-WG-20200717	Water	07/17/20 15:05	07/18/20 08:15
40211380005	DUP-002-WG-20200717	Water	07/17/20 00:00	07/18/20 08:15
40211380006	TRIP BLANK	Water	07/17/20 00:00	07/18/20 08:15

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40211380001	FB-001-WQ-20200716	EPA 8260	HNW	64	PASI-G
40211380002	TS-MW-19A-WG-20200717	EPA 8260	HNW	64	PASI-G
40211380003	TS-MW-19B-WG-20200717	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211380004	TS-MW-20B-WG-20200717	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	HNW	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211380005	DUP-002-WG-20200717	EPA 8260	HNW	64	PASI-G
40211380006	TRIP BLANK	EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: FB-001-WQ-20200716**      **Lab ID: 40211380001**      Collected: 07/16/20 12:35      Received: 07/18/20 08:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 15:09	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 15:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 15:09	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 15:09	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 15:09	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 15:09	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 15:09	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 15:09	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 15:09	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 15:09	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 15:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 15:09	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:09	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:09	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 15:09	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 15:09	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 15:09	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 15:09	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 15:09	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 15:09	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 15:09	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 15:09	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 15:09	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 15:09	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 15:09	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 15:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 15:09	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 15:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 15:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 15:09	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 15:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 15:09	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 15:09	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 15:09	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 15:09	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 15:09	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 15:09	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 15:09	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 15:09	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 15:09	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 15:09	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 15:09	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: FB-001-WQ-20200716**      **Lab ID: 40211380001**      Collected: 07/16/20 12:35      Received: 07/18/20 08:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 15:09	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 15:09	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 15:09	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 15:09	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 15:09	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 15:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 15:09	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 15:09	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:09	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 15:09	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 15:09	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 15:09	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 15:09	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 15:09	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 15:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 15:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/21/20 15:09	460-00-4	HS
Dibromofluoromethane (S)	106	%	70-130		1		07/21/20 15:09	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/21/20 15:09	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

**Sample: TS-MW-19A-WG-20200717**    **Lab ID: 40211380002**    Collected: 07/17/20 09:15    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 09:47	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 09:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 09:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 09:47	79-00-5	
1,1-Dichloroethane	3.6	ug/L	1.0	0.27	1		07/21/20 09:47	75-34-3	
1,1-Dichloroethene	0.46J	ug/L	1.0	0.24	1		07/21/20 09:47	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 09:47	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 09:47	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 09:47	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 09:47	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 09:47	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 09:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 09:47	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 09:47	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 09:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 09:47	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 09:47	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 09:47	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 09:47	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 09:47	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 09:47	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 09:47	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 09:47	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 09:47	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 09:47	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 09:47	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 09:47	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 09:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 09:47	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 09:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 09:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 09:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 09:47	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 09:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 09:47	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 09:47	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 09:47	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 09:47	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 09:47	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 09:47	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 09:47	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 09:47	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 09:47	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 09:47	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 09:47	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

**Sample: TS-MW-19A-WG-20200717**    **Lab ID: 40211380002**    Collected: 07/17/20 09:15    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 09:47	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 09:47	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 09:47	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 09:47	75-69-4	
Vinyl chloride	5.8	ug/L	1.0	0.17	1		07/21/20 09:47	75-01-4	
cis-1,2-Dichloroethene	141	ug/L	1.0	0.27	1		07/21/20 09:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 09:47	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 09:47	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 09:47	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 09:47	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 09:47	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 09:47	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 09:47	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 09:47	98-06-6	
trans-1,2-Dichloroethene	1.4J	ug/L	1.5	0.46	1		07/21/20 09:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 09:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/21/20 09:47	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		07/21/20 09:47	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/21/20 09:47	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

**Sample: TS-MW-19B-WG-20200717**    **Lab ID: 40211380003**    Collected: 07/17/20 11:35    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		07/30/20 12:00	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		07/30/20 12:00	74-85-1	
Methane	16.3	ug/L	2.8	0.66	1		07/30/20 12:00	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	2420	ug/L	117	35.2	1	07/21/20 05:41	07/21/20 17:53	7439-89-6	
Manganese	137	ug/L	5.1	1.5	1	07/21/20 05:41	07/21/20 17:53	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	2380	ug/L	100	29.6	1		07/21/20 12:49	7439-89-6	
Manganese, Dissolved	128	ug/L	5.0	1.1	1		07/21/20 12:49	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 17:17	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:17	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 17:17	79-00-5	
1,1-Dichloroethane	10.3	ug/L	1.0	0.27	1		07/21/20 17:17	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 17:17	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 17:17	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 17:17	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 17:17	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 17:17	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 17:17	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 17:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 17:17	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:17	95-50-1	
1,2-Dichloroethane	6.6	ug/L	1.0	0.28	1		07/21/20 17:17	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:17	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 17:17	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 17:17	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 17:17	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 17:17	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 17:17	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 17:17	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 17:17	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 17:17	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 17:17	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 17:17	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 17:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 17:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 17:17	74-83-9	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: TS-MW-19B-WG-20200717**    **Lab ID: 40211380003**    Collected: 07/17/20 11:35    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 17:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 17:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 17:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 17:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 17:17	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 17:17	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 17:17	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 17:17	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 17:17	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 17:17	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 17:17	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 17:17	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 17:17	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 17:17	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 17:17	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 17:17	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 17:17	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 17:17	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 17:17	75-69-4	
Vinyl chloride	0.33J	ug/L	1.0	0.17	1		07/21/20 17:17	75-01-4	
cis-1,2-Dichloroethene	8.3	ug/L	1.0	0.27	1		07/21/20 17:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 17:17	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 17:17	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:17	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 17:17	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 17:17	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 17:17	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 17:17	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 17:17	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 17:17	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 17:17	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/21/20 17:17	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/21/20 17:17	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/21/20 17:17	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B  
Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO <sub>3</sub>	440	mg/L	10.0	5.0	1		07/23/20 19:24		
Alkalinity,Bicarbonate (CaCO <sub>3</sub> )	440	mg/L	10.0	5.0	1		07/23/20 19:24		
Alkalinity,Carbonate (CaCO <sub>3</sub> )	<5.0	mg/L	10.0	5.0	1		07/23/20 19:24		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

**Sample: TS-MW-19B-WG-20200717**    **Lab ID: 40211380003**    Collected: 07/17/20 11:35    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C Pace Analytical Services - Green Bay								
Total Dissolved Solids	<b>2560</b>	mg/L	20.0	8.7	1		07/20/20 14:45		
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Sulfate	<b>634</b>	mg/L	40.0	8.9	20		07/21/20 09:57	14808-79-8	
<b>Total Organic Carbon</b>	Analytical Method: EPA 9060 Pace Analytical Services - Green Bay								
Total Organic Carbon	<b>3.0</b>	mg/L	0.50	0.085	1		07/29/20 17:12	7440-44-0	
Total Organic Carbon	<b>3.0</b>	mg/L	0.50	0.085	1		07/29/20 17:12	7440-44-0	
Total Organic Carbon	<b>2.9</b>	mg/L	0.50	0.085	1		07/29/20 17:12	7440-44-0	
Total Organic Carbon	<b>3.0</b>	mg/L	0.50	0.085	1		07/29/20 17:12	7440-44-0	
Mean Total Organic Carbon	<b>3.0</b>	mg/L	0.50	0.085	1		07/29/20 17:12	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

**Sample: TS-MW-20B-WG-20200717**    **Lab ID: 40211380004**    Collected: 07/17/20 15:05    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	5.2J	ug/L	5.6	1.2	1		07/30/20 12:07	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		07/30/20 12:07	74-85-1	
Methane	34.9	ug/L	2.8	0.66	1		07/30/20 12:07	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	7240	ug/L	117	35.2	1	07/21/20 05:41	07/21/20 17:55	7439-89-6	
Manganese	50.7	ug/L	5.1	1.5	1	07/21/20 05:41	07/21/20 17:55	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	7220	ug/L	100	29.6	1		07/21/20 12:52	7439-89-6	
Manganese, Dissolved	48.1	ug/L	5.0	1.1	1		07/21/20 12:52	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 17:39	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 17:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 17:39	79-00-5	
1,1-Dichloroethane	0.41J	ug/L	1.0	0.27	1		07/21/20 17:39	75-34-3	
1,1-Dichloroethene	0.97J	ug/L	1.0	0.24	1		07/21/20 17:39	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 17:39	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 17:39	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 17:39	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 17:39	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 17:39	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 17:39	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 17:39	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:39	95-50-1	
1,2-Dichloroethane	4.1	ug/L	1.0	0.28	1		07/21/20 17:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 17:39	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 17:39	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 17:39	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 17:39	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 17:39	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 17:39	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 17:39	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 17:39	106-43-4	
Benzene	0.46J	ug/L	1.0	0.25	1		07/21/20 17:39	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 17:39	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 17:39	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 17:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 17:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 17:39	74-83-9	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: TS-MW-20B-WG-20200717** Lab ID: **40211380004** Collected: 07/17/20 15:05 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 17:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 17:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 17:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 17:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 17:39	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 17:39	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 17:39	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 17:39	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 17:39	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 17:39	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 17:39	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 17:39	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 17:39	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 17:39	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 17:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 17:39	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 17:39	108-88-3	
Trichloroethene	3.5	ug/L	1.0	0.26	1		07/21/20 17:39	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 17:39	75-69-4	
Vinyl chloride	1.5	ug/L	1.0	0.17	1		07/21/20 17:39	75-01-4	
cis-1,2-Dichloroethene	5.3	ug/L	1.0	0.27	1		07/21/20 17:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 17:39	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 17:39	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 17:39	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 17:39	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 17:39	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 17:39	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 17:39	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 17:39	98-06-6	
trans-1,2-Dichloroethene	1.7	ug/L	1.5	0.46	1		07/21/20 17:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 17:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/21/20 17:39	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		07/21/20 17:39	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/21/20 17:39	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B  
Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	486	mg/L	10.0	5.0	1		07/23/20 19:34		
Alkalinity,Bicarbonate (CaCO3)	486	mg/L	10.0	5.0	1		07/23/20 19:34		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/23/20 19:34		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: TS-MW-20B-WG-20200717 Lab ID: 40211380004** Collected: 07/17/20 15:05 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>5200</b>	mg/L	40.0	17.3	1		07/22/20 18:49		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Sulfate	<b>175</b>	mg/L	10.0	2.2	5		07/20/20 13:46	14808-79-8	
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060 Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>3.8</b>	mg/L	1.5	0.25	3		07/29/20 17:46	7440-44-0	
Total Organic Carbon	<b>3.3</b>	mg/L	1.5	0.25	3		07/29/20 17:46	7440-44-0	
Total Organic Carbon	<b>3.8</b>	mg/L	1.5	0.25	3		07/29/20 17:46	7440-44-0	
Total Organic Carbon	<b>3.7</b>	mg/L	1.5	0.25	3		07/29/20 17:46	7440-44-0	
Mean Total Organic Carbon	<b>3.6</b>	mg/L	1.5	0.25	3		07/29/20 17:46	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

Sample: DUP-002-WG-20200717 Lab ID: 40211380005 Collected: 07/17/20 00:00 Received: 07/18/20 08:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 10:08	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 10:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 10:08	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 10:08	79-00-5	
1,1-Dichloroethane	9.4	ug/L	1.0	0.27	1		07/21/20 10:08	75-34-3	
1,1-Dichloroethene	0.30J	ug/L	1.0	0.24	1		07/21/20 10:08	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 10:08	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 10:08	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 10:08	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 10:08	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 10:08	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 10:08	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 10:08	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 10:08	95-50-1	
1,2-Dichloroethane	6.0	ug/L	1.0	0.28	1		07/21/20 10:08	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 10:08	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 10:08	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 10:08	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 10:08	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 10:08	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 10:08	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 10:08	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 10:08	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 10:08	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 10:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 10:08	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 10:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 10:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 10:08	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 10:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 10:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 10:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 10:08	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 10:08	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 10:08	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 10:08	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 10:08	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 10:08	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 10:08	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 10:08	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 10:08	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 10:08	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 10:08	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 10:08	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 10:08	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: DUP-002-WG-20200717**    **Lab ID: 40211380005**    Collected: 07/17/20 00:00    Received: 07/18/20 08:15    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 10:08	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 10:08	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 10:08	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 10:08	75-69-4	
Vinyl chloride	<b>0.30J</b>	ug/L	1.0	0.17	1		07/21/20 10:08	75-01-4	
cis-1,2-Dichloroethene	<b>8.0</b>	ug/L	1.0	0.27	1		07/21/20 10:08	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 10:08	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 10:08	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 10:08	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 10:08	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 10:08	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 10:08	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 10:08	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 10:08	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 10:08	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 10:08	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		07/21/20 10:08	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		07/21/20 10:08	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/21/20 10:08	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

**Sample: TRIP BLANK**      **Lab ID: 40211380006**      Collected: 07/17/20 00:00      Received: 07/18/20 08:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 15:30	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/21/20 15:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:30	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/21/20 15:30	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/21/20 15:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/21/20 15:30	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/21/20 15:30	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/21/20 15:30	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/21/20 15:30	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/21/20 15:30	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/21/20 15:30	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/21/20 15:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/21/20 15:30	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:30	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:30	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/21/20 15:30	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/21/20 15:30	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/21/20 15:30	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/21/20 15:30	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/21/20 15:30	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/21/20 15:30	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/21/20 15:30	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/21/20 15:30	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/21/20 15:30	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/21/20 15:30	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/21/20 15:30	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/21/20 15:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/21/20 15:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/21/20 15:30	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/21/20 15:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/21/20 15:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/21/20 15:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/21/20 15:30	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/21/20 15:30	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/21/20 15:30	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/21/20 15:30	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/21/20 15:30	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/21/20 15:30	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/21/20 15:30	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/21/20 15:30	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/21/20 15:30	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/21/20 15:30	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/21/20 15:30	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/21/20 15:30	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

**Sample: TRIP BLANK**      **Lab ID: 40211380006**      Collected: 07/17/20 00:00      Received: 07/18/20 08:15      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/21/20 15:30	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/21/20 15:30	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/21/20 15:30	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/21/20 15:30	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/21/20 15:30	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/21/20 15:30	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/21/20 15:30	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/21/20 15:30	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/21/20 15:30	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/21/20 15:30	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/21/20 15:30	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/21/20 15:30	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/21/20 15:30	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/21/20 15:30	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/21/20 15:30	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/21/20 15:30	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		07/21/20 15:30	460-00-4	HS
Dibromofluoromethane (S)	107	%	70-130		1		07/21/20 15:30	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/21/20 15:30	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

QC Batch: 361635 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211380003, 40211380004

METHOD BLANK: 2090554 Matrix: Water  
Associated Lab Samples: 40211380003, 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	07/30/20 09:56	
Ethene	ug/L	<1.2	5.0	07/30/20 09:56	
Methane	ug/L	<0.66	2.8	07/30/20 09:56	

LABORATORY CONTROL SAMPLE & LCSD: 2090555

Parameter	Units	2090556								Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD			
Ethane	ug/L	53.6	55.5	56.1	104	105	80-120	1	20		
Ethene	ug/L	50	51.0	51.9	102	104	80-120	2	20		
Methane	ug/L	28.6	29.2	29.4	102	103	79-120	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2090557 2090558

Parameter	Units	2090557										Max RPD	Qual
		40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD			
Ethane	ug/L	<1.2	2140	2140	2140	2200	100	103	79-120	3	20		
Ethene	ug/L	<1.2	2000	2000	1950	2010	97	101	79-120	3	20		
Methane	ug/L	4950	1140	1140	13700	13500	767	751	10-200	1	20	E,M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

QC Batch: 360780

Analysis Method: EPA 6010

QC Batch Method: EPA 6010

Analysis Description: ICP Metals, Trace, Dissolved

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211380003, 40211380004

METHOD BLANK: 2086072

Matrix: Water

Associated Lab Samples: 40211380003, 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<29.6	100	07/21/20 12:09	
Manganese, Dissolved	ug/L	<1.1	5.0	07/21/20 12:09	

LABORATORY CONTROL SAMPLE: 2086073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	5100	102	80-120	
Manganese, Dissolved	ug/L	500	484	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2086074 2086075

Parameter	Units	40211372001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	<29.6	5000	5000	4870	4870	97	97	75-125	0	20	
Manganese, Dissolved	ug/L	4120	500	500	4580	4590	92	93	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

QC Batch: 360731 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211380003, 40211380004

METHOD BLANK: 2085879 Matrix: Water  
Associated Lab Samples: 40211380003, 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<35.2	117	07/22/20 11:21	
Manganese	ug/L	<1.5	5.1	07/22/20 11:21	

LABORATORY CONTROL SAMPLE: 2085880

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	5360	107	80-120	
Manganese	ug/L	500	508	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2085881 2085882

Parameter	Units	40211349001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1020	5000	5000	6260	6250	105	105	75-125	0	20	
Manganese	ug/L	539	500	500	1030	1040	99	100	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

QC Batch: 360672

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211380001, 40211380002, 40211380003, 40211380004, 40211380005, 40211380006

METHOD BLANK: 2085502

Matrix: Water

Associated Lab Samples: 40211380001, 40211380002, 40211380003, 40211380004, 40211380005, 40211380006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/21/20 09:04	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/21/20 09:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/21/20 09:04	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/21/20 09:04	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/21/20 09:04	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/21/20 09:04	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/21/20 09:04	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/21/20 09:04	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/21/20 09:04	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/21/20 09:04	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/21/20 09:04	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/21/20 09:04	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/21/20 09:04	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/21/20 09:04	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/21/20 09:04	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/21/20 09:04	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/21/20 09:04	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/21/20 09:04	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/21/20 09:04	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/21/20 09:04	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/21/20 09:04	
2-Chlorotoluene	ug/L	<0.93	5.0	07/21/20 09:04	
4-Chlorotoluene	ug/L	<0.76	2.5	07/21/20 09:04	
Benzene	ug/L	<0.25	1.0	07/21/20 09:04	
Bromobenzene	ug/L	<0.24	1.0	07/21/20 09:04	
Bromochloromethane	ug/L	<0.36	5.0	07/21/20 09:04	
Bromodichloromethane	ug/L	<0.36	1.2	07/21/20 09:04	
Bromoform	ug/L	<4.0	13.2	07/21/20 09:04	
Bromomethane	ug/L	<0.97	5.0	07/21/20 09:04	
Carbon tetrachloride	ug/L	<1.1	3.6	07/21/20 09:04	
Chlorobenzene	ug/L	<0.71	2.4	07/21/20 09:04	
Chloroethane	ug/L	<1.3	5.0	07/21/20 09:04	
Chloroform	ug/L	<1.3	5.0	07/21/20 09:04	
Chloromethane	ug/L	<2.2	7.3	07/21/20 09:04	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/21/20 09:04	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/21/20 09:04	
Dibromochloromethane	ug/L	<2.6	8.7	07/21/20 09:04	
Dibromomethane	ug/L	<0.94	3.1	07/21/20 09:04	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/21/20 09:04	
Diisopropyl ether	ug/L	<1.9	6.3	07/21/20 09:04	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

METHOD BLANK: 2085502

Matrix: Water

Associated Lab Samples: 40211380001, 40211380002, 40211380003, 40211380004, 40211380005, 40211380006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	07/21/20 09:04	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/21/20 09:04	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/21/20 09:04	
m&p-Xylene	ug/L	<0.47	2.0	07/21/20 09:04	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/21/20 09:04	
Methylene Chloride	ug/L	<0.58	5.0	07/21/20 09:04	
n-Butylbenzene	ug/L	<0.71	2.4	07/21/20 09:04	
n-Propylbenzene	ug/L	<0.81	5.0	07/21/20 09:04	
Naphthalene	ug/L	<1.2	5.0	07/21/20 09:04	
o-Xylene	ug/L	<0.26	1.0	07/21/20 09:04	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/21/20 09:04	
sec-Butylbenzene	ug/L	<0.85	5.0	07/21/20 09:04	
Styrene	ug/L	<3.0	10.0	07/21/20 09:04	
tert-Butylbenzene	ug/L	<0.30	1.0	07/21/20 09:04	
Tetrachloroethene	ug/L	<0.33	1.1	07/21/20 09:04	
Toluene	ug/L	<0.27	0.90	07/21/20 09:04	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/21/20 09:04	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/21/20 09:04	
Trichloroethene	ug/L	<0.26	1.0	07/21/20 09:04	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/21/20 09:04	
Vinyl chloride	ug/L	<0.17	1.0	07/21/20 09:04	
4-Bromofluorobenzene (S)	%	92	70-130	07/21/20 09:04	
Dibromofluoromethane (S)	%	102	70-130	07/21/20 09:04	
Toluene-d8 (S)	%	103	70-130	07/21/20 09:04	

LABORATORY CONTROL SAMPLE: 2085503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	64-131	
1,1,2-Trichloroethane	ug/L	50	49.1	98	70-130	
1,1-Dichloroethane	ug/L	50	52.6	105	69-163	
1,1-Dichloroethene	ug/L	50	50.8	102	77-123	
1,2,4-Trichlorobenzene	ug/L	50	47.8	96	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	70-130	
1,2-Dichlorobenzene	ug/L	50	48.0	96	70-130	
1,2-Dichloroethane	ug/L	50	52.3	105	78-142	
1,2-Dichloropropane	ug/L	50	51.6	103	86-134	
1,3-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,4-Dichlorobenzene	ug/L	50	46.6	93	70-130	
Benzene	ug/L	50	51.6	103	70-130	
Bromodichloromethane	ug/L	50	51.6	103	70-130	
Bromoform	ug/L	50	47.5	95	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

LABORATORY CONTROL SAMPLE: 2085503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	36.8	74	39-129	
Carbon tetrachloride	ug/L	50	54.3	109	70-132	
Chlorobenzene	ug/L	50	50.8	102	70-130	
Chloroethane	ug/L	50	51.2	102	66-140	
Chloroform	ug/L	50	49.3	99	75-132	
Chloromethane	ug/L	50	50.9	102	32-143	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.5	95	70-130	
Dibromochloromethane	ug/L	50	45.2	90	70-130	
Dichlorodifluoromethane	ug/L	50	54.2	108	10-141	
Ethylbenzene	ug/L	50	52.0	104	80-120	
Isopropylbenzene (Cumene)	ug/L	50	46.8	94	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	61-129	
Methylene Chloride	ug/L	50	49.1	98	70-130	
o-Xylene	ug/L	50	50.0	100	70-130	
Styrene	ug/L	50	46.2	92	70-130	
Tetrachloroethene	ug/L	50	46.3	93	70-130	
Toluene	ug/L	50	50.0	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	69-130	
Trichloroethene	ug/L	50	50.7	101	70-130	
Trichlorofluoromethane	ug/L	50	53.9	108	75-145	
Vinyl chloride	ug/L	50	54.9	110	51-140	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2085939 2085940

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375006 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50	53.9	54.1	108	108	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	50	51.5	52.1	103	104	64-137	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50	50.3	50.9	101	102	70-137	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50	53.8	52.9	108	106	69-163	2	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50	51.1	49.8	102	100	77-129	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	50	49.7	50.2	99	100	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50	49.9	51.0	100	102	60-130	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50	50.2	51.5	100	103	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50	48.7	49.3	97	99	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50	53.8	53.7	108	107	78-145	0	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50	53.0	53.3	106	107	86-135	1	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50	48.0	49.6	96	99	70-130	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

Parameter	Units	2085939		2085940		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40211375006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.1	48.2	96	96	70-130	0	20	
Benzene	ug/L	<0.25	50	50	53.7	53.1	107	106	70-136	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	52.1	52.3	104	105	70-130	0	20	
Bromoform	ug/L	<4.0	50	50	48.7	50.2	97	100	69-130	3	20	
Bromomethane	ug/L	<0.97	50	50	36.4	39.2	73	78	39-138	8	20	
Carbon tetrachloride	ug/L	<1.1	50	50	56.2	55.5	112	111	70-142	1	20	
Chlorobenzene	ug/L	<0.71	50	50	52.1	52.7	104	105	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	48.7	47.9	97	96	61-149	2	20	
Chloroform	ug/L	<1.3	50	50	50.5	50.5	101	101	75-133	0	20	
Chloromethane	ug/L	<2.2	50	50	45.0	43.9	90	88	32-143	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.3	50.1	101	100	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	48.0	49.2	96	98	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	46.5	46.2	93	92	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	37.1	36.2	74	72	10-141	3	20	
Ethylbenzene	ug/L	<0.32	50	50	54.3	54.1	109	108	80-120	0	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	48.9	49.2	98	98	70-130	1	20	
m&p-Xylene	ug/L	<0.47	100	100	106	107	106	107	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	49.4	48.9	99	98	61-136	1	20	
Methylene Chloride	ug/L	<0.58	50	50	51.2	49.3	102	99	68-137	4	20	
o-Xylene	ug/L	<0.26	50	50	51.5	52.2	103	104	70-130	1	20	
Styrene	ug/L	<3.0	50	50	47.5	48.2	95	96	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	49.1	48.7	98	97	70-130	1	20	
Toluene	ug/L	<0.27	50	50	52.2	51.7	104	103	80-120	1	20	
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	51.2	51.1	102	102	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	47.4	47.1	95	94	69-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	51.3	52.5	103	105	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	53.4	53.6	107	107	74-157	0	20	
Vinyl chloride	ug/L	<0.17	50	50	49.6	49.3	99	99	51-140	1	20	
4-Bromofluorobenzene (S)	%						101	102	70-130			
Dibromofluoromethane (S)	%						104	103	70-130			
Toluene-d8 (S)	%						103	102	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

QC Batch: 361072

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211380003, 40211380004

METHOD BLANK: 2087446

Matrix: Water

Associated Lab Samples: 40211380003, 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<5.0	10.0	07/23/20 16:02	

LABORATORY CONTROL SAMPLE: 2087447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	200	201	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087448 2087449

Parameter	Units	2087448		2087449		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	545	200	200	734	739	94	97	80-120	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

QC Batch: 360705	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211380003

METHOD BLANK: 2085636 Matrix: Water

Associated Lab Samples: 40211380003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	07/20/20 14:41	

LABORATORY CONTROL SAMPLE: 2085637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	550	94	80-120	

SAMPLE DUPLICATE: 2085638

Parameter	Units	4021117002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	528	518	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211380

QC Batch: 360997

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211380004

METHOD BLANK: 2087061

Matrix: Water

Associated Lab Samples: 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	07/22/20 18:48	

LABORATORY CONTROL SAMPLE: 2087062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	560	96	80-120	

SAMPLE DUPLICATE: 2087063

Parameter	Units	40211490001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1990	1960	2	10	

SAMPLE DUPLICATE: 2087064

Parameter	Units	40211525001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	330	340	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

QC Batch: 360599      Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0      Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211380003, 40211380004

METHOD BLANK: 2085311      Matrix: Water  
Associated Lab Samples: 40211380003, 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	07/20/20 10:54	

LABORATORY CONTROL SAMPLE: 2085312

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2085313      2085314

Parameter	Units	2085313		2085314		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40211375009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Sulfate	mg/L	4.4J	100	100	111	111	106	107	90-110	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211380

QC Batch: 361136 Analysis Method: EPA 9060  
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211380003, 40211380004

METHOD BLANK: 2087716 Matrix: Water  
Associated Lab Samples: 40211380003, 40211380004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	

LABORATORY CONTROL SAMPLE: 2087717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	12.0	96	80-120	
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087718 2087719

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375009 Result	Spike Conc.	Spike Conc.	Result						
Mean Total Organic Carbon	mg/L	10.8	18	18	28.6	28.5	99	98	80-120	0	20
Total Organic Carbon	mg/L	10.7	18	18	28.2	28.5	97	99		1	
Total Organic Carbon	mg/L	10.6	18	18	29.2	28.4	103	99		3	
Total Organic Carbon	mg/L	11.0	18	18	28.4	28.2	97	96		1	
Total Organic Carbon	mg/L	10.9	18	18	28.5	28.9	98	100		1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 0441161 910 MAYER

Pace Project No.: 40211380

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 910 MAYER

Pace Project No.: 40211380

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40211380003	TS-MW-19B-WG-20200717	EPA 8015B Modified	361635		
40211380004	TS-MW-20B-WG-20200717	EPA 8015B Modified	361635		
40211380003	TS-MW-19B-WG-20200717	EPA 3010	360731	EPA 6010	360808
40211380004	TS-MW-20B-WG-20200717	EPA 3010	360731	EPA 6010	360808
40211380003	TS-MW-19B-WG-20200717	EPA 6010	360780		
40211380004	TS-MW-20B-WG-20200717	EPA 6010	360780		
40211380001	FB-001-WQ-20200716	EPA 8260	360672		
40211380002	TS-MW-19A-WG-20200717	EPA 8260	360672		
40211380003	TS-MW-19B-WG-20200717	EPA 8260	360672		
40211380004	TS-MW-20B-WG-20200717	EPA 8260	360672		
40211380005	DUP-002-WG-20200717	EPA 8260	360672		
40211380006	TRIP BLANK	EPA 8260	360672		
40211380003	TS-MW-19B-WG-20200717	SM 2320B	361072		
40211380004	TS-MW-20B-WG-20200717	SM 2320B	361072		
40211380003	TS-MW-19B-WG-20200717	SM 2540C	360705		
40211380004	TS-MW-20B-WG-20200717	SM 2540C	360997		
40211380003	TS-MW-19B-WG-20200717	EPA 300.0	360599		
40211380004	TS-MW-20B-WG-20200717	EPA 300.0	360599		
40211380003	TS-MW-19B-WG-20200717	EPA 9060	361136		
40211380004	TS-MW-20B-WG-20200717	EPA 9060	361136		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **Milwaukee**  
 Project Contact: **Duncan Faviil**  
 Phone: **262 424 4288**  
 Project Number: **0441161**  
 Project Name: **910 Mayer**  
 Project State: **WI**  
 Sampled By (Print): **Duncan Faviil**  
 Sampled By (Sign): *[Signature]*  
 PO #: **WDNR**



# CHAIN OF CUSTODY

Preservation Codes:  
 A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Filtered? (YES/NO)	Preservation (CODE)	Y/N	Pick Label
		N	B
		N	B
		Z	A
		N	A
		N	C
		N	D
		Y	D

**Analyses Requested**

VOGs  
 Methane, ethane, ethene  
 TDS + Alkalinity  
 Sulfate + Nitrate  
 TOC 9060 Quads  
 Total Fe/Mn  
 Dissolved Fe/Mn

PAGE LAB #	CLIENT FIELD ID	COLLECTION		DATE	TIME	MATRIX	Analyses Requested				Y/N	Pick Label	
		DATE	TIME				Y/N	Pick Label	Y/N	Pick Label			Y/N
001	FB-001-WA-20200716	7/16/20	1235	W			X						
002	TS-MW-19A-WG-20200717	7/17/20	915	GW			X						
003	TS-MW-19B-WG-20200717	7/17/20	1135	GW			X						
004	TS-MW-20B-WG-20200717	7/17/20	1505	GW			X						
005	DUP-002-N6-20200717	7/17/20		GW			X						
006	DTB												

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed: **Standard TAT**

Transmit Prelim Rush Results by (complete what you want):  
 Email #1:  
 Email #2:  
 Telephone:  
 Fax:

Relinquished By: *[Signature]* Date/Time: **7/17/2020**  
 Relinquished By: **CS Logistics** Date/Time: **7/18/20 0815**  
 Relinquished By: *[Signature]* Date/Time: **7/18/20 0815**

Received By: *[Signature]* Date/Time: **7/18/20 0815**  
 Received By: *[Signature]* Date/Time: **7/18/20 0815**

Quote #:

Mail To Contact: **david.decoy@power.com**

Mail To Company: **ERM.COM**

Mail To Address:

Invoice To Contact: **ermnaaccounts@power.com**

Invoice To Company: **@erm.com**

Invoice To Address: **duncan.faviil@erm.com**

Invoice To Phone:

CLIENT COMMENTS: **DTB received in shipment lab added to cor.**

LAB COMMENTS (Lab Use Only): **DTB received in shipment lab added to cor.**

Profile #

PAGE Project No. **4021380**

Receipt Temp = **16.1** °C

Sample Receipt pH **OK** Adjusted

Cooler Custody Seal **Present / Not Present** Intact / Not Intact

# Sample Preservation Receipt Form

Pace Analytical Services, LLC  
 1241 Bellevue Street, Suite 9  
 Green Bay, WI 54302

Client Name: ERM

Project # 4021380

All containers needing preservation have been checked and noted below.  Yes  No  N/A  
 Lab Lot# of pH paper: 10052791 Lab Std #/ID of preservation (if pH adjusted):

Initial When completed: 1/18/20 Date/Time:


Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001	AG1U											2.5/5/10
002	BG1U											2.5/5/10
003	AG1H											2.5/5/10
004	AG4S	1										2.5/5/10
005	AG4U									X		2.5/5/10
006	AG5U		2	2								2.5/5/10
007	AG2S											2.5/5/10
008	BG3U											2.5/5/10
009	BP1U											2.5/5/10
010	BP3U											2.5/5/10
011	BP3B											2.5/5/10
012	BP3N	2	2									2.5/5/10
013	BP3S											2.5/5/10
014	VG9A											2.5/5/10
015	DG9T											2.5/5/10
016	VG9U											2.5/5/10
017	VG9H											2.5/5/10
018	VG9M											2.5/5/10
019	VG9D											2.5/5/10
020	JGFU											2.5/5/10
	JG9U											2.5/5/10
	WGFU											2.5/5/10
	WPFU											2.5/5/10
	SP5T											2.5/5/10
	ZPLC											2.5/5/10
	GN											2.5/5/10

Exceptions to preservation check:  VOA,  coliform,  TOC,  TOX,  TOH,  O&G,  WI DRO, Phenolics, Other: HeadSpace in VOA Vials (>6mm) :  Yes  No  N/A \*If Yes look in headspace column

<b>AG1U</b> 1 liter amber glass	<b>BP1U</b> 1 liter plastic unpres	<b>VG9A</b> 40 mL clear ascorbic	<b>JGFU</b> 4 oz amber jar unpres
<b>BG1U</b> 1 liter clear glass	<b>BP3U</b> 250 mL plastic unpres	<b>DG9T</b> 40 mL clear vial Na Thio	<b>JG9U</b> 9 oz clear jar unpres
<b>AG1H</b> 1 liter amber glass HCL	<b>BP3B</b> 250 mL plastic NaOH	<b>VG9U</b> 40 mL clear vial unpres	<b>WGFU</b> 4 oz clear jar unpres
<b>AG4S</b> 125 mL amber glass H2SO4	<b>BP3N</b> 250 mL plastic HNO3	<b>VG9H</b> 40 mL clear vial HCL	<b>WPFU</b> 4 oz plastic jar unpres
<b>AG4U</b> 120 mL amber glass unpres	<b>BP3S</b> 250 mL plastic H2SO4	<b>VG9M</b> 40 mL clear vial MeOH	<b>SP5T</b> 120 mL plastic Na Thiosulfate
<b>AG5U</b> 100 mL amber glass unpres		<b>VG9D</b> 40 mL clear vial DI	<b>ZPLC</b> ziploc bag
<b>AG2S</b> 500 mL amber glass H2SO4			<b>GN</b>
<b>BG3U</b> 250 mL clear glass unpres			

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** ERM  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_  
**WO#: 40211380**  
  
 40211380

**Tracking #:** 1806 071720  
**Custody Seal on Cooler/Box Present:**  yes  no    **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no    **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other  
**Thermometer Used:** SR - NA    **Type of Ice:**  Wet  Blue  Dry  None

Samples on ice, cooling process has begun  
**Person examining contents:**  
**Date:** 7/18/20    **Initials:** MP  
**Labeled By Initials:** MLR

**Temp Blank Present:**  yes  no    **Biological Tissue is Frozen:**  yes  no  
 Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. mail: only contact, invoice: missing phone + company
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. pg# 1
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8. ① TB received in shipment, lab added to COC.
For Analysis:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
MS/MSD:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. (1) 001 date "6/17/2020"; (1) 002 ID missing "A"; no year (1) 005
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	<u>MLR 7-18-20</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>449</u>	

**Client Notification/ Resolution:** \_\_\_\_\_  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

August 05, 2020

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 0441161 910 MAYER  
Pace Project No.: 40211440

Dear David deCourcy-Bower:

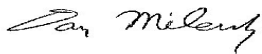
Enclosed are the analytical results for sample(s) received by the laboratory on July 21, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Andrew DeWitt, ERM, Inc.  
Morgan Johnson, ERM, INC.  
Paul Sterkenburg, ERM, INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## SAMPLE SUMMARY

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40211440001	TS-MW-23A-WG-20200720	Water	07/20/20 10:50	07/21/20 08:35
40211440002	TS-MW-22A-WG-20200720	Water	07/20/20 12:10	07/21/20 08:35
40211440003	TS-MW-21A-WG-20200720	Water	07/20/20 13:35	07/21/20 08:35
40211440004	TS-MW-21A2-WG-20200720	Water	07/20/20 14:40	07/21/20 08:35
40211440005	TS-MW-24B-WG-20200720	Water	07/20/20 15:00	07/21/20 08:35
40211440006	TS-MW-22A2-WG-20200720	Water	07/20/20 15:15	07/21/20 08:35
40211440007	TS-MW-23A2-WG-20200720	Water	07/20/20 15:25	07/21/20 08:35
40211440008	TS-MW-20B-WG-20200720	Water	07/20/20 15:45	07/21/20 08:35
40211440009	TS-MW-19B-WG-20200720	Water	07/20/20 15:45	07/21/20 08:35
40211440010	TRIP BLANK	Water	07/20/20 00:00	07/21/20 08:35

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER

Pace Project No.: 40211440

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40211440001	TS-MW-23A-WG-20200720	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211440002	TS-MW-22A-WG-20200720	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211440003	TS-MW-21A-WG-20200720	EPA 8015B Modified	ALD	3	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 6010	TXW	2	PASI-G
		EPA 8260	LAP	64	PASI-G
		SM 2320B	TMK	3	PASI-G
		SM 2540C	HNT	1	PASI-G
		EPA 300.0	HMB	2	PASI-G
		EPA 9060	TJJ	5	PASI-G
40211440004	TS-MW-21A2-WG-20200720	EPA 300.0	HMB	1	PASI-G
40211440005	TS-MW-24B-WG-20200720	EPA 300.0	HMB	1	PASI-G
40211440006	TS-MW-22A2-WG-20200720	EPA 300.0	HMB	1	PASI-G
40211440007	TS-MW-23A2-WG-20200720	EPA 300.0	HMB	1	PASI-G
40211440008	TS-MW-20B-WG-20200720	EPA 300.0	HMB	1	PASI-G
40211440009	TS-MW-19B-WG-20200720	EPA 300.0	HMB	1	PASI-G
40211440010	TRIP BLANK	EPA 8260	LAP	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample:** TS-MW-23A-WG-20200720    **Lab ID:** 40211440001    Collected: 07/20/20 10:50    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		07/30/20 12:14	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		07/30/20 12:14	74-85-1	
Methane	1300	ug/L	28.0	6.6	10		07/30/20 13:57	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	6400	ug/L	117	35.2	1	07/24/20 06:22	07/27/20 11:17	7439-89-6	
Manganese	178	ug/L	5.1	1.5	1	07/24/20 06:22	07/27/20 11:17	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	5530	ug/L	100	29.6	1		08/03/20 18:29	7439-89-6	
Manganese, Dissolved	177	ug/L	5.0	1.1	1		08/03/20 18:29	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 15:33	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/22/20 15:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 15:33	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/22/20 15:33	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 15:33	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/22/20 15:33	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/22/20 15:33	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/22/20 15:33	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/22/20 15:33	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/22/20 15:33	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/22/20 15:33	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/22/20 15:33	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/22/20 15:33	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 15:33	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 15:33	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/22/20 15:33	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/22/20 15:33	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/22/20 15:33	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/22/20 15:33	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/22/20 15:33	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/22/20 15:33	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/22/20 15:33	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/22/20 15:33	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/22/20 15:33	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/22/20 15:33	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/22/20 15:33	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/22/20 15:33	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/22/20 15:33	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/22/20 15:33	74-83-9	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-23A-WG-20200720**    **Lab ID: 40211440001**    Collected: 07/20/20 10:50    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/22/20 15:33	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 15:33	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/22/20 15:33	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/22/20 15:33	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/22/20 15:33	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/22/20 15:33	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/22/20 15:33	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/22/20 15:33	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/22/20 15:33	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/22/20 15:33	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/22/20 15:33	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/22/20 15:33	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/22/20 15:33	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/22/20 15:33	75-09-2	
Naphthalene	3.0J	ug/L	5.0	1.2	1		07/22/20 15:33	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/22/20 15:33	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/22/20 15:33	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/22/20 15:33	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/22/20 15:33	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/22/20 15:33	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/22/20 15:33	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/22/20 15:33	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/22/20 15:33	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/22/20 15:33	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 15:33	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/22/20 15:33	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/22/20 15:33	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/22/20 15:33	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/22/20 15:33	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/22/20 15:33	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/22/20 15:33	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/22/20 15:33	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		1		07/22/20 15:33	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		07/22/20 15:33	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/22/20 15:33	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO <sub>3</sub>	461	mg/L	10.0	5.0	1		07/23/20 19:45		
Alkalinity,Bicarbonate (CaCO <sub>3</sub> )	461	mg/L	10.0	5.0	1		07/23/20 19:45		
Alkalinity,Carbonate (CaCO <sub>3</sub> )	<5.0	mg/L	10.0	5.0	1		07/23/20 19:45		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-23A-WG-20200720**    **Lab ID: 40211440001**    Collected: 07/20/20 10:50    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C Pace Analytical Services - Green Bay							
Total Dissolved Solids	<b>1250</b>	mg/L	20.0	8.7	1		07/22/20 18:49		
<b>300.0 IC Anions</b>		Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay							
Nitrate as N	<b>&lt;0.22</b>	mg/L	0.75	0.22	5		07/22/20 03:38	14797-55-8	D3
Sulfate	<b>23.8</b>	mg/L	10.0	2.2	5		07/22/20 03:38	14808-79-8	
<b>Total Organic Carbon</b>		Analytical Method: EPA 9060 Pace Analytical Services - Green Bay							
Total Organic Carbon	<b>13.4</b>	mg/L	5.0	0.85	10		07/29/20 18:36	7440-44-0	
Total Organic Carbon	<b>14.0</b>	mg/L	5.0	0.85	10		07/29/20 18:36	7440-44-0	
Total Organic Carbon	<b>14.0</b>	mg/L	5.0	0.85	10		07/29/20 18:36	7440-44-0	
Total Organic Carbon	<b>14.2</b>	mg/L	5.0	0.85	10		07/29/20 18:36	7440-44-0	
Mean Total Organic Carbon	<b>13.9</b>	mg/L	5.0	0.85	10		07/29/20 18:36	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-22A-WG-20200720**    **Lab ID: 40211440002**    Collected: 07/20/20 12:10    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	<1.2	ug/L	5.6	1.2	1		07/30/20 12:20	74-84-0	
Ethene	<1.2	ug/L	5.0	1.2	1		07/30/20 12:20	74-85-1	
Methane	6380	ug/L	140	33.2	50		07/30/20 14:04	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	10400	ug/L	117	35.2	1	07/24/20 06:22	07/27/20 11:19	7439-89-6	
Manganese	101	ug/L	5.1	1.5	1	07/24/20 06:22	07/27/20 11:19	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	10300	ug/L	100	29.6	1		08/03/20 18:32	7439-89-6	
Manganese, Dissolved	103	ug/L	5.0	1.1	1		08/03/20 18:32	7439-96-5	D9
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 15:52	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/22/20 15:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 15:52	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/22/20 15:52	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 15:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/22/20 15:52	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/22/20 15:52	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/22/20 15:52	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/22/20 15:52	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/22/20 15:52	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/22/20 15:52	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/22/20 15:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/22/20 15:52	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 15:52	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 15:52	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/22/20 15:52	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/22/20 15:52	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/22/20 15:52	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/22/20 15:52	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/22/20 15:52	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/22/20 15:52	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/22/20 15:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/22/20 15:52	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/22/20 15:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/22/20 15:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/22/20 15:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/22/20 15:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/22/20 15:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/22/20 15:52	74-83-9	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

Sample: **TS-MW-22A-WG-20200720** Lab ID: **40211440002** Collected: 07/20/20 12:10 Received: 07/21/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/22/20 15:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 15:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/22/20 15:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/22/20 15:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/22/20 15:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/22/20 15:52	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/22/20 15:52	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/22/20 15:52	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/22/20 15:52	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/22/20 15:52	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/22/20 15:52	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/22/20 15:52	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/22/20 15:52	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/22/20 15:52	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/22/20 15:52	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/22/20 15:52	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/22/20 15:52	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/22/20 15:52	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/22/20 15:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/22/20 15:52	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/22/20 15:52	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/22/20 15:52	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/22/20 15:52	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/22/20 15:52	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 15:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/22/20 15:52	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/22/20 15:52	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/22/20 15:52	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/22/20 15:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/22/20 15:52	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/22/20 15:52	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/22/20 15:52	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	85	%	70-130		1		07/22/20 15:52	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/22/20 15:52	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/22/20 15:52	2037-26-5	

### 2320B Alkalinity

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	389	mg/L	10.0	5.0	1		07/23/20 19:56		
Alkalinity,Bicarbonate (CaCO3)	389	mg/L	10.0	5.0	1		07/23/20 19:56		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/23/20 19:56		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-22A-WG-20200720**    **Lab ID: 40211440002**    Collected: 07/20/20 12:10    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C Pace Analytical Services - Green Bay							
Total Dissolved Solids	<b>978</b>	mg/L	20.0	8.7	1		07/22/20 18:49		
<b>300.0 IC Anions</b>		Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay							
Nitrate as N	<b>&lt;0.22</b>	mg/L	0.75	0.22	5		07/22/20 04:21	14797-55-8	D3
Sulfate	<b>4.2J</b>	mg/L	10.0	2.2	5		07/22/20 04:21	14808-79-8	D3
<b>Total Organic Carbon</b>		Analytical Method: EPA 9060 Pace Analytical Services - Green Bay							
Total Organic Carbon	<b>11.7</b>	mg/L	3.0	0.51	6		07/29/20 18:57	7440-44-0	
Total Organic Carbon	<b>11.7</b>	mg/L	3.0	0.51	6		07/29/20 18:57	7440-44-0	
Total Organic Carbon	<b>11.8</b>	mg/L	3.0	0.51	6		07/29/20 18:57	7440-44-0	
Total Organic Carbon	<b>11.8</b>	mg/L	3.0	0.51	6		07/29/20 18:57	7440-44-0	
Mean Total Organic Carbon	<b>11.8</b>	mg/L	3.0	0.51	6		07/29/20 18:57	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

Sample: **TS-MW-21A-WG-20200720** Lab ID: **40211440003** Collected: 07/20/20 13:35 Received: 07/21/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>Methane, Ethane, Ethene GCV</b>									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Ethane	7.4	ug/L	5.6	1.2	1		07/30/20 12:27	74-84-0	
Ethene	86.7	ug/L	5.0	1.2	1		07/30/20 12:27	74-85-1	
Methane	19.6	ug/L	2.8	0.66	1		07/30/20 12:27	74-82-8	
<b>6010 MET ICP</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	37400	ug/L	117	35.2	1	07/24/20 06:22	07/27/20 11:22	7439-89-6	
Manganese	434	ug/L	5.1	1.5	1	07/24/20 06:22	07/27/20 11:22	7439-96-5	
<b>6010 MET ICP, Dissolved</b>									
Analytical Method: EPA 6010									
Pace Analytical Services - Green Bay									
Iron, Dissolved	37000	ug/L	100	29.6	1		08/03/20 18:34	7439-89-6	
Manganese, Dissolved	447	ug/L	5.0	1.1	1		08/03/20 18:34	7439-96-5	D9
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<53.8	ug/L	200	53.8	200		07/22/20 09:48	630-20-6	
1,1,1-Trichloroethane	<49.0	ug/L	200	49.0	200		07/22/20 09:48	71-55-6	
1,1,2,2-Tetrachloroethane	<55.1	ug/L	200	55.1	200		07/22/20 09:48	79-34-5	
1,1,2-Trichloroethane	<110	ug/L	1000	110	200		07/22/20 09:48	79-00-5	
1,1-Dichloroethane	<54.5	ug/L	200	54.5	200		07/22/20 09:48	75-34-3	
1,1-Dichloroethene	<49.0	ug/L	200	49.0	200		07/22/20 09:48	75-35-4	
1,1-Dichloropropene	<108	ug/L	360	108	200		07/22/20 09:48	563-58-6	
1,2,3-Trichlorobenzene	<442	ug/L	1470	442	200		07/22/20 09:48	87-61-6	
1,2,3-Trichloropropane	<118	ug/L	1000	118	200		07/22/20 09:48	96-18-4	
1,2,4-Trichlorobenzene	<190	ug/L	1000	190	200		07/22/20 09:48	120-82-1	
1,2,4-Trimethylbenzene	<168	ug/L	560	168	200		07/22/20 09:48	95-63-6	
1,2-Dibromo-3-chloropropane	<353	ug/L	1180	353	200		07/22/20 09:48	96-12-8	
1,2-Dibromoethane (EDB)	<166	ug/L	553	166	200		07/22/20 09:48	106-93-4	
1,2-Dichlorobenzene	<141	ug/L	470	141	200		07/22/20 09:48	95-50-1	
1,2-Dichloroethane	43300	ug/L	200	56.0	200		07/22/20 09:48	107-06-2	
1,2-Dichloropropane	<56.6	ug/L	200	56.6	200		07/22/20 09:48	78-87-5	
1,3,5-Trimethylbenzene	<175	ug/L	582	175	200		07/22/20 09:48	108-67-8	
1,3-Dichlorobenzene	<126	ug/L	419	126	200		07/22/20 09:48	541-73-1	
1,3-Dichloropropane	<165	ug/L	551	165	200		07/22/20 09:48	142-28-9	
1,4-Dichlorobenzene	<189	ug/L	629	189	200		07/22/20 09:48	106-46-7	
2,2-Dichloropropane	<453	ug/L	1510	453	200		07/22/20 09:48	594-20-7	
2-Chlorotoluene	<185	ug/L	1000	185	200		07/22/20 09:48	95-49-8	
4-Chlorotoluene	<151	ug/L	504	151	200		07/22/20 09:48	106-43-4	
Benzene	<49.3	ug/L	200	49.3	200		07/22/20 09:48	71-43-2	
Bromobenzene	<48.2	ug/L	200	48.2	200		07/22/20 09:48	108-86-1	
Bromochloromethane	<72.4	ug/L	1000	72.4	200		07/22/20 09:48	74-97-5	
Bromodichloromethane	<72.7	ug/L	242	72.7	200		07/22/20 09:48	75-27-4	
Bromoform	<794	ug/L	2650	794	200		07/22/20 09:48	75-25-2	
Bromomethane	<194	ug/L	1000	194	200		07/22/20 09:48	74-83-9	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample:** TS-MW-21A-WG-20200720    **Lab ID:** 40211440003    Collected: 07/20/20 13:35    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<215	ug/L	718	215	200		07/22/20 09:48	56-23-5	
Chlorobenzene	<142	ug/L	474	142	200		07/22/20 09:48	108-90-7	
Chloroethane	<268	ug/L	1000	268	200		07/22/20 09:48	75-00-3	
Chloroform	<255	ug/L	1000	255	200		07/22/20 09:48	67-66-3	
Chloromethane	<438	ug/L	1460	438	200		07/22/20 09:48	74-87-3	
Dibromochloromethane	<520	ug/L	1730	520	200		07/22/20 09:48	124-48-1	
Dibromomethane	<187	ug/L	625	187	200		07/22/20 09:48	74-95-3	
Dichlorodifluoromethane	<99.9	ug/L	1000	99.9	200		07/22/20 09:48	75-71-8	
Diisopropyl ether	<378	ug/L	1260	378	200		07/22/20 09:48	108-20-3	
Ethylbenzene	<63.7	ug/L	212	63.7	200		07/22/20 09:48	100-41-4	
Hexachloro-1,3-butadiene	<293	ug/L	976	293	200		07/22/20 09:48	87-68-3	
Isopropylbenzene (Cumene)	<337	ug/L	1120	337	200		07/22/20 09:48	98-82-8	
Methyl-tert-butyl ether	<249	ug/L	831	249	200		07/22/20 09:48	1634-04-4	
Methylene Chloride	<116	ug/L	1000	116	200		07/22/20 09:48	75-09-2	
Naphthalene	<235	ug/L	1000	235	200		07/22/20 09:48	91-20-3	
Styrene	<602	ug/L	2010	602	200		07/22/20 09:48	100-42-5	
Tetrachloroethene	<65.3	ug/L	218	65.3	200		07/22/20 09:48	127-18-4	
Toluene	<53.9	ug/L	180	53.9	200		07/22/20 09:48	108-88-3	
Trichloroethene	<51.0	ug/L	200	51.0	200		07/22/20 09:48	79-01-6	
Trichlorofluoromethane	<43.0	ug/L	200	43.0	200		07/22/20 09:48	75-69-4	
Vinyl chloride	265	ug/L	200	34.9	200		07/22/20 09:48	75-01-4	
cis-1,2-Dichloroethene	<54.2	ug/L	200	54.2	200		07/22/20 09:48	156-59-2	
cis-1,3-Dichloropropene	<726	ug/L	2420	726	200		07/22/20 09:48	10061-01-5	
m&p-Xylene	<93.1	ug/L	400	93.1	200		07/22/20 09:48	179601-23-1	
n-Butylbenzene	<142	ug/L	472	142	200		07/22/20 09:48	104-51-8	
n-Propylbenzene	<162	ug/L	1000	162	200		07/22/20 09:48	103-65-1	
o-Xylene	<52.4	ug/L	200	52.4	200		07/22/20 09:48	95-47-6	
p-Isopropyltoluene	<160	ug/L	533	160	200		07/22/20 09:48	99-87-6	
sec-Butylbenzene	<170	ug/L	1000	170	200		07/22/20 09:48	135-98-8	
tert-Butylbenzene	<60.8	ug/L	203	60.8	200		07/22/20 09:48	98-06-6	
trans-1,2-Dichloroethene	<92.8	ug/L	309	92.8	200		07/22/20 09:48	156-60-5	
trans-1,3-Dichloropropene	<874	ug/L	2910	874	200		07/22/20 09:48	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		200		07/22/20 09:48	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		200		07/22/20 09:48	1868-53-7	
Toluene-d8 (S)	101	%	70-130		200		07/22/20 09:48	2037-26-5	

**2320B Alkalinity**

Analytical Method: SM 2320B

Pace Analytical Services - Green Bay

Alkalinity, Total as CaCO3	531	mg/L	10.0	5.0	1		07/23/20 20:06		
Alkalinity,Bicarbonate (CaCO3)	531	mg/L	10.0	5.0	1		07/23/20 20:06		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		07/23/20 20:06		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-21A-WG-20200720**    **Lab ID: 40211440003**    Collected: 07/20/20 13:35    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Green Bay									
Total Dissolved Solids	<b>2510</b>	mg/L	20.0	8.7	1		07/22/20 18:50		
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Nitrate as N	<b>&lt;0.22</b>	mg/L	0.75	0.22	5		07/22/20 04:36	14797-55-8	D3
Sulfate	<b>8.3J</b>	mg/L	10.0	2.2	5		07/22/20 04:36	14808-79-8	D3
<b>Total Organic Carbon</b>									
Analytical Method: EPA 9060 Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>11.6</b>	mg/L	1.5	0.25	3		07/29/20 19:21	7440-44-0	
Total Organic Carbon	<b>11.3</b>	mg/L	1.5	0.25	3		07/29/20 19:21	7440-44-0	
Total Organic Carbon	<b>11.8</b>	mg/L	1.5	0.25	3		07/29/20 19:21	7440-44-0	
Total Organic Carbon	<b>11.1</b>	mg/L	1.5	0.25	3		07/29/20 19:21	7440-44-0	
Mean Total Organic Carbon	<b>11.5</b>	mg/L	1.5	0.25	3		07/29/20 19:21	7440-44-0	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

---

**Sample: TS-MW-21A2-WG-20200720    Lab ID: 40211440004    Collected: 07/20/20 14:40    Received: 07/21/20 08:35    Matrix: Water**

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Nitrate as N	<b>&lt;0.22</b>	mg/L	0.75	0.22	5		07/22/20 05:33	14797-55-8	D3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-24B-WG-20200720**    **Lab ID: 40211440005**    Collected: 07/20/20 15:00    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Nitrate as N	<0.22	mg/L	0.75	0.22	5		07/22/20 05:48	14797-55-8	D3

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TS-MW-22A2-WG-20200720 Lab ID: 40211440006** Collected: 07/20/20 15:15 Received: 07/21/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Nitrate as N	<0.22	mg/L	0.75	0.22	5		07/22/20 06:02	14797-55-8	D3

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

---

**Sample: TS-MW-23A2-WG-20200720**    **Lab ID: 40211440007**    Collected: 07/20/20 15:25    Received: 07/21/20 08:35    Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Nitrate as N	<0.22	mg/L	0.75	0.22	5		07/22/20 06:17	14797-55-8	D3

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

---

**Sample: TS-MW-20B-WG-20200720**    **Lab ID: 40211440008**    Collected: 07/20/20 15:45    Received: 07/21/20 08:35    Matrix: Water

---

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Nitrate as N	<b>&lt;0.044</b>	mg/L	0.15	0.044	1		07/22/20 06:31	14797-55-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

---

**Sample: TS-MW-19B-WG-20200720**    **Lab ID: 40211440009**    Collected: 07/20/20 15:45    Received: 07/21/20 08:35    Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Nitrate as N	<b>&lt;0.22</b>	mg/L	0.75	0.22	5		07/22/20 06:45	14797-55-8	D3

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

Sample: **TRIP BLANK** Lab ID: **40211440010** Collected: 07/20/20 00:00 Received: 07/21/20 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 14:36	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/22/20 14:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 14:36	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/22/20 14:36	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/22/20 14:36	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/22/20 14:36	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/22/20 14:36	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/22/20 14:36	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/22/20 14:36	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/22/20 14:36	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/22/20 14:36	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/22/20 14:36	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/22/20 14:36	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 14:36	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/22/20 14:36	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/22/20 14:36	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/22/20 14:36	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/22/20 14:36	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/22/20 14:36	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/22/20 14:36	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/22/20 14:36	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/22/20 14:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/22/20 14:36	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/22/20 14:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/22/20 14:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/22/20 14:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/22/20 14:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/22/20 14:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/22/20 14:36	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/22/20 14:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 14:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/22/20 14:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/22/20 14:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/22/20 14:36	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/22/20 14:36	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/22/20 14:36	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/22/20 14:36	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/22/20 14:36	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/22/20 14:36	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/22/20 14:36	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/22/20 14:36	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/22/20 14:36	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/22/20 14:36	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/22/20 14:36	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/22/20 14:36	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

**Sample: TRIP BLANK**      **Lab ID: 40211440010**      Collected: 07/20/20 00:00      Received: 07/21/20 08:35      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/22/20 14:36	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/22/20 14:36	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/22/20 14:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/22/20 14:36	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/22/20 14:36	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/22/20 14:36	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/22/20 14:36	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/22/20 14:36	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/22/20 14:36	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/22/20 14:36	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/22/20 14:36	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/22/20 14:36	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/22/20 14:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/22/20 14:36	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/22/20 14:36	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/22/20 14:36	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	84	%	70-130		1		07/22/20 14:36	460-00-4	HS
Dibromofluoromethane (S)	99	%	70-130		1		07/22/20 14:36	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/22/20 14:36	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

QC Batch: 361635 Analysis Method: EPA 8015B Modified  
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211440001, 40211440002, 40211440003

METHOD BLANK: 2090554 Matrix: Water

Associated Lab Samples: 40211440001, 40211440002, 40211440003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<1.2	5.6	07/30/20 09:56	
Ethene	ug/L	<1.2	5.0	07/30/20 09:56	
Methane	ug/L	<0.66	2.8	07/30/20 09:56	

LABORATORY CONTROL SAMPLE & LCSD: 2090555

2090556

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	53.6	55.5	56.1	104	105	80-120	1	20	
Ethene	ug/L	50	51.0	51.9	102	104	80-120	2	20	
Methane	ug/L	28.6	29.2	29.4	102	103	79-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2090557

2090558

Parameter	Units	40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<1.2	2140	2140	2140	2200	100	103	79-120	3	20	
Ethene	ug/L	<1.2	2000	2000	1950	2010	97	101	79-120	3	20	
Methane	ug/L	4950	1140	1140	13700	13500	767	751	10-200	1	20	E,M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

QC Batch: 361956 Analysis Method: EPA 6010  
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211440001, 40211440002, 40211440003

METHOD BLANK: 2092262 Matrix: Water  
Associated Lab Samples: 40211440001, 40211440002, 40211440003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<29.6	100	08/03/20 17:58	
Manganese, Dissolved	ug/L	<1.1	5.0	08/03/20 17:58	

LABORATORY CONTROL SAMPLE: 2092263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	5000	5040	101	80-120	
Manganese, Dissolved	ug/L	500	489	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2092267 2092268

Parameter	Units	40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Dissolved	ug/L	528	5000	5000	5650	5530	102	100	75-125	2	20	
Manganese, Dissolved	ug/L	378	500	500	870	875	98	99	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211440

QC Batch: 361122

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211440001, 40211440002, 40211440003

METHOD BLANK: 2087677

Matrix: Water

Associated Lab Samples: 40211440001, 40211440002, 40211440003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<35.2	117	07/27/20 10:46	
Manganese	ug/L	<1.5	5.1	07/27/20 10:46	

LABORATORY CONTROL SAMPLE: 2087678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	5000	5080	102	80-120	
Manganese	ug/L	500	491	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087679 2087680

Parameter	Units	40211359012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	1500	5000	5000	6590	6560	102	101	75-125	0	20	
Manganese	ug/L	340	500	500	835	826	99	97	75-125	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

QC Batch: 360858 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211440001, 40211440002, 40211440003, 40211440010

METHOD BLANK: 2086440 Matrix: Water  
Associated Lab Samples: 40211440001, 40211440002, 40211440003, 40211440010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/22/20 08:19	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/22/20 08:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/22/20 08:19	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/22/20 08:19	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/22/20 08:19	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/22/20 08:19	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/22/20 08:19	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/22/20 08:19	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/22/20 08:19	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/22/20 08:19	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/22/20 08:19	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/22/20 08:19	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/22/20 08:19	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/22/20 08:19	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/22/20 08:19	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/22/20 08:19	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/22/20 08:19	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/22/20 08:19	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/22/20 08:19	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/22/20 08:19	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/22/20 08:19	
2-Chlorotoluene	ug/L	<0.93	5.0	07/22/20 08:19	
4-Chlorotoluene	ug/L	<0.76	2.5	07/22/20 08:19	
Benzene	ug/L	<0.25	1.0	07/22/20 08:19	
Bromobenzene	ug/L	<0.24	1.0	07/22/20 08:19	
Bromochloromethane	ug/L	<0.36	5.0	07/22/20 08:19	
Bromodichloromethane	ug/L	<0.36	1.2	07/22/20 08:19	
Bromoform	ug/L	<4.0	13.2	07/22/20 08:19	
Bromomethane	ug/L	<0.97	5.0	07/22/20 08:19	
Carbon tetrachloride	ug/L	<1.1	3.6	07/22/20 08:19	
Chlorobenzene	ug/L	<0.71	2.4	07/22/20 08:19	
Chloroethane	ug/L	<1.3	5.0	07/22/20 08:19	
Chloroform	ug/L	<1.3	5.0	07/22/20 08:19	
Chloromethane	ug/L	<2.2	7.3	07/22/20 08:19	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/22/20 08:19	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/22/20 08:19	
Dibromochloromethane	ug/L	<2.6	8.7	07/22/20 08:19	
Dibromomethane	ug/L	<0.94	3.1	07/22/20 08:19	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/22/20 08:19	
Diisopropyl ether	ug/L	<1.9	6.3	07/22/20 08:19	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

METHOD BLANK: 2086440 Matrix: Water  
Associated Lab Samples: 40211440001, 40211440002, 40211440003, 40211440010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	07/22/20 08:19	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/22/20 08:19	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/22/20 08:19	
m&p-Xylene	ug/L	<0.47	2.0	07/22/20 08:19	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/22/20 08:19	
Methylene Chloride	ug/L	<0.58	5.0	07/22/20 08:19	
n-Butylbenzene	ug/L	<0.71	2.4	07/22/20 08:19	
n-Propylbenzene	ug/L	<0.81	5.0	07/22/20 08:19	
Naphthalene	ug/L	<1.2	5.0	07/22/20 08:19	
o-Xylene	ug/L	<0.26	1.0	07/22/20 08:19	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/22/20 08:19	
sec-Butylbenzene	ug/L	<0.85	5.0	07/22/20 08:19	
Styrene	ug/L	<3.0	10.0	07/22/20 08:19	
tert-Butylbenzene	ug/L	<0.30	1.0	07/22/20 08:19	
Tetrachloroethene	ug/L	<0.33	1.1	07/22/20 08:19	
Toluene	ug/L	<0.27	0.90	07/22/20 08:19	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/22/20 08:19	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/22/20 08:19	
Trichloroethene	ug/L	<0.26	1.0	07/22/20 08:19	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/22/20 08:19	
Vinyl chloride	ug/L	<0.17	1.0	07/22/20 08:19	
4-Bromofluorobenzene (S)	%	90	70-130	07/22/20 08:19	
Dibromofluoromethane (S)	%	98	70-130	07/22/20 08:19	
Toluene-d8 (S)	%	102	70-130	07/22/20 08:19	

LABORATORY CONTROL SAMPLE: 2086441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.2	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	64-131	
1,1,2-Trichloroethane	ug/L	50	49.9	100	70-130	
1,1-Dichloroethane	ug/L	50	51.7	103	69-163	
1,1-Dichloroethene	ug/L	50	59.7	119	77-123	
1,2,4-Trichlorobenzene	ug/L	50	45.7	91	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	45.7	91	70-130	
1,2-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,2-Dichloroethane	ug/L	50	41.3	83	78-142	
1,2-Dichloropropane	ug/L	50	49.4	99	86-134	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
Benzene	ug/L	50	50.2	100	70-130	
Bromodichloromethane	ug/L	50	49.5	99	70-130	
Bromoform	ug/L	50	40.1	80	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

LABORATORY CONTROL SAMPLE: 2086441

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	56.8	114	39-129	
Carbon tetrachloride	ug/L	50	54.4	109	70-132	
Chlorobenzene	ug/L	50	53.8	108	70-130	
Chloroethane	ug/L	50	53.5	107	66-140	
Chloroform	ug/L	50	48.3	97	75-132	
Chloromethane	ug/L	50	42.5	85	32-143	
cis-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	70-130	
Dibromochloromethane	ug/L	50	46.5	93	70-130	
Dichlorodifluoromethane	ug/L	50	27.0	54	10-141	
Ethylbenzene	ug/L	50	56.7	113	80-120	
Isopropylbenzene (Cumene)	ug/L	50	59.4	119	70-130	
m&p-Xylene	ug/L	100	118	118	70-130	
Methyl-tert-butyl ether	ug/L	50	39.4	79	61-129	
Methylene Chloride	ug/L	50	47.2	94	70-130	
o-Xylene	ug/L	50	57.8	116	70-130	
Styrene	ug/L	50	56.2	112	70-130	
Tetrachloroethene	ug/L	50	55.8	112	70-130	
Toluene	ug/L	50	57.2	114	80-120	
trans-1,2-Dichloroethene	ug/L	50	55.5	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	47.3	95	69-130	
Trichloroethene	ug/L	50	56.5	113	70-130	
Trichlorofluoromethane	ug/L	50	54.8	110	75-145	
Vinyl chloride	ug/L	50	52.1	104	51-140	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			104	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

QC Batch: 361072      Analysis Method: SM 2320B  
QC Batch Method: SM 2320B      Analysis Description: 2320B Alkalinity  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211440001, 40211440002, 40211440003

METHOD BLANK: 2087446      Matrix: Water

Associated Lab Samples: 40211440001, 40211440002, 40211440003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	<5.0	10.0	07/23/20 16:02	

LABORATORY CONTROL SAMPLE: 2087447

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	200	201	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087448      2087449

Parameter	Units	2087448		2087449		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	545	200	200	734	739	94	97	80-120	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER

Pace Project No.: 40211440

QC Batch: 360997	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211440001, 40211440002, 40211440003

METHOD BLANK: 2087061 Matrix: Water

Associated Lab Samples: 40211440001, 40211440002, 40211440003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<8.7	20.0	07/22/20 18:48	

LABORATORY CONTROL SAMPLE: 2087062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	584	560	96	80-120	

SAMPLE DUPLICATE: 2087063

Parameter	Units	40211490001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1990	1960	2	10	

SAMPLE DUPLICATE: 2087064

Parameter	Units	40211525001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	330	340	3	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

QC Batch:	360765	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40211440001, 40211440002, 40211440003, 40211440004, 40211440005, 40211440006, 40211440007, 40211440008, 40211440009

METHOD BLANK: 2086020 Matrix: Water  
Associated Lab Samples: 40211440001, 40211440002, 40211440003, 40211440004, 40211440005, 40211440006, 40211440007, 40211440008, 40211440009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/L	<0.044	0.15	07/22/20 03:10	
Sulfate	mg/L	<0.44	2.0	07/22/20 03:10	

LABORATORY CONTROL SAMPLE: 2086021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/L	1.5	1.5	102	90-110	
Sulfate	mg/L	20	20.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2086022 2086023

Parameter	Units	2086022		2086023		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211440001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Nitrate as N	mg/L	<0.22	7.5	7.5	7.7	7.7	103	103	90-110	1	15
Sulfate	mg/L	23.8	100	100	131	132	107	108	90-110	0	15

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER  
Pace Project No.: 40211440

QC Batch: 361136 Analysis Method: EPA 9060  
QC Batch Method: EPA 9060 Analysis Description: 9060 TOC  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211440001, 40211440002, 40211440003

METHOD BLANK: 2087716 Matrix: Water  
Associated Lab Samples: 40211440001, 40211440002, 40211440003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mean Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	
Total Organic Carbon	mg/L	<0.085	0.50	07/29/20 13:29	

LABORATORY CONTROL SAMPLE: 2087717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mean Total Organic Carbon	mg/L	12.5	12.0	96	80-120	
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		
Total Organic Carbon	mg/L	12.5	12.0	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087718 2087719

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211375009 Result	Spike Conc.	Spike Conc.	Conc.								
Mean Total Organic Carbon	mg/L	10.8	18	18	18	28.6	28.5	99	98	80-120	0	20	
Total Organic Carbon	mg/L	10.7	18	18	18	28.2	28.5	97	99		1		
Total Organic Carbon	mg/L	10.6	18	18	18	29.2	28.4	103	99		3		
Total Organic Carbon	mg/L	11.0	18	18	18	28.4	28.2	97	96		1		
Total Organic Carbon	mg/L	10.9	18	18	18	28.5	28.9	98	100		1		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 0441161 910 MAYER

Pace Project No.: 40211440

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

D9 Dissolved result is greater than the total. Data is within laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 910 MAYER

Pace Project No.: 40211440

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40211440001	TS-MW-23A-WG-20200720	EPA 8015B Modified	361635		
40211440002	TS-MW-22A-WG-20200720	EPA 8015B Modified	361635		
40211440003	TS-MW-21A-WG-20200720	EPA 8015B Modified	361635		
40211440001	TS-MW-23A-WG-20200720	EPA 3010	361122	EPA 6010	361253
40211440002	TS-MW-22A-WG-20200720	EPA 3010	361122	EPA 6010	361253
40211440003	TS-MW-21A-WG-20200720	EPA 3010	361122	EPA 6010	361253
40211440001	TS-MW-23A-WG-20200720	EPA 6010	361956		
40211440002	TS-MW-22A-WG-20200720	EPA 6010	361956		
40211440003	TS-MW-21A-WG-20200720	EPA 6010	361956		
40211440001	TS-MW-23A-WG-20200720	EPA 8260	360858		
40211440002	TS-MW-22A-WG-20200720	EPA 8260	360858		
40211440003	TS-MW-21A-WG-20200720	EPA 8260	360858		
40211440010	TRIP BLANK	EPA 8260	360858		
40211440001	TS-MW-23A-WG-20200720	SM 2320B	361072		
40211440002	TS-MW-22A-WG-20200720	SM 2320B	361072		
40211440003	TS-MW-21A-WG-20200720	SM 2320B	361072		
40211440001	TS-MW-23A-WG-20200720	SM 2540C	360997		
40211440002	TS-MW-22A-WG-20200720	SM 2540C	360997		
40211440003	TS-MW-21A-WG-20200720	SM 2540C	360997		
40211440001	TS-MW-23A-WG-20200720	EPA 300.0	360765		
40211440002	TS-MW-22A-WG-20200720	EPA 300.0	360765		
40211440003	TS-MW-21A-WG-20200720	EPA 300.0	360765		
40211440004	TS-MW-21A2-WG-20200720	EPA 300.0	360765		
40211440005	TS-MW-24B-WG-20200720	EPA 300.0	360765		
40211440006	TS-MW-22A2-WG-20200720	EPA 300.0	360765		
40211440007	TS-MW-23A2-WG-20200720	EPA 300.0	360765		
40211440008	TS-MW-20B-WG-20200720	EPA 300.0	360765		
40211440009	TS-MW-19B-WG-20200720	EPA 300.0	360765		
40211440001	TS-MW-23A-WG-20200720	EPA 9060	361136		
40211440002	TS-MW-22A-WG-20200720	EPA 9060	361136		
40211440003	TS-MW-21A-WG-20200720	EPA 9060	361136		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **WILMAWKEE**  
 Project Contact: **DUNCAN FAVILL**  
 Phone: **262-424-4288**  
 Project Number: **041161**  
 Project Name: **910 Mayer**  
 Project State: **WI**  
 Sampled By (Print): **DUNCAN FAVILL**  
 Sampled By (Sign): *[Signature]*  
 PO #: \_\_\_\_\_  
 Regulatory Program: \_\_\_\_\_



# CHAIN OF CUSTODY

As=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?  
(YES/NO)  
PRESERVATION  
(CODE)\*

Y/N	Pick/Labor	ANALYSES REQUESTED
N	B	VOCs
N	B	Methane, ethane, ethene
N	A	TDS + Alk
N	A	Sulfate + Nitrate
N	C	TOL 9060 Quads
N	D	Total Fe/Mn
N	D	Dissolved Fe/Mn

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Data Package Options		MS/MSD		Matrix Codes											
					(billable)	(billable)	On your sample	NOT needed on your sample	A = Air	B = Biotite	C = Charcoal	O = Oil	S = Soil	SI = Sludge	W = Water	DW = Drinking Water	GW = Ground Water	SW = Surface Water	WW = Waste Water	WP = Wipes
001	TS-MW-23A-WG-20200720	7/20/20	1050	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
002	TS-MW-22A-WG-20200720	7/20/20	1210	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
003	TS-MW-21A-WG-20200720	7/20/20	1335	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
004	TS-MW-21R2-WG-20200720	7/20/20	1440	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
005	TS-MW-24B-WG-20200720	7/20/20	1500	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
006	TS-MW-22A2-WG-20200720	7/20/20	1515	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
007	TS-MW-23A2-WG-20200720	7/20/20	1525	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
008	TS-MW-20B-WG-20200720	7/20/20	1545	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
009	TS-MW-19B-WG-20200720	7/20/20	1605	GW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
	010 Trip Blank				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
_____	7/20/20 1625	_____	7/21/20 0835
_____	7/20/20	_____	7/21/20 0835
_____	7/20/20	_____	7/21/20 0835

Quote #: **40211440**

Mail To Contact: **David Decourcy Bower**

Mail To Company: **ERM.COM**

Mail To Address: \_\_\_\_\_

Invoice To Contact: **ERM accounts payable**

Invoice To Company: **@erm.com**

Invoice To Address: **duncan.favill@erm.com**

Invoice To Phone: \_\_\_\_\_

CLIENT COMMENTS: \_\_\_\_\_

LAB COMMENTS (Lab Use Only): \_\_\_\_\_

Profile #: \_\_\_\_\_

COOLER CUSTODY SEAL: Present / **NOT Present**

Intact / **Not Intact**

Receipt Temp = **19.07°C**

Sample Receipt pH: **OK Adjusted**

Version 6.0 08/7/06

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

ORIGINAL







Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

**Sample Condition Upon Receipt Form (SCUR)**

Client Name: ERM  
 Courier:  CS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

**WO#: 40211440**

40211440

Tracking #: 1280072020  
 Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no  
 Custody Seal on Samples Present:  yes  no    Seals intact:  yes  no  
 Packing Material:  Bubble Wrap  Bubble Bags  None  Other  
 Thermometer Used SR - N/A    Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
 Cooler Temperature    Uncorr: ROI /Corr: \_\_\_\_\_  
 Temp Blank Present:  yes  no    Biological Tissue is Frozen:  yes  no

Person examining contents:  
 Date: 7/21/20 /Initials: SKW  
 Labeled By Initials: AP

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>441</u>		<u>In shipment Lab added to COC</u> <u>7/21/20 SKW</u>

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments   
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

July 29, 2020

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

Dear David deCourcy-Bower:

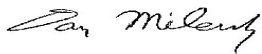
Enclosed are the analytical results for sample(s) received by the laboratory on July 23, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Andrew DeWitt, ERM, Inc.  
Morgan Johnson, ERM, INC.  
Paul Sterkenburg, ERM, INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40211571001	TS-GP-21(3-4)-20200722	Solid	07/22/20 09:00	07/23/20 08:30
40211571002	TS-GP-21(6-7)-20200722	Solid	07/22/20 09:05	07/23/20 08:30
40211571003	TS-GP-21(11-12)-20200722	Solid	07/22/20 09:10	07/23/20 08:30
40211571004	TS-GP-21(13-14)-20200722	Solid	07/22/20 09:15	07/23/20 08:30
40211571005	TS-VAS-25-(15-18)-20200722	Water	07/22/20 10:25	07/23/20 08:30
40211571006	TS-VAS-25-(20-23)-20200722	Water	07/22/20 10:45	07/23/20 08:30
40211571007	TS-VAS-25-(30-33)-20200722	Water	07/22/20 11:15	07/23/20 08:30
40211571008	TS-GP-22(1-2)-20200722	Solid	07/22/20 11:45	07/23/20 08:30
40211571009	TS-GP-22(6-7)-20200722	Solid	07/22/20 11:50	07/23/20 08:30
40211571010	TS-GP-22(11-12)-20200722	Solid	07/22/20 11:55	07/23/20 08:30
40211571011	TS-GP-22(13-14)-20200722	Solid	07/22/20 12:00	07/23/20 08:30
40211571012	TS-VAS-26(21-25)-20200722	Water	07/22/20 12:50	07/23/20 08:30
40211571013	TS-VAS-26(31-35)-20200722	Water	07/22/20 13:10	07/23/20 08:30
40211571014	TS-GP-23(3-4)-20200722	Solid	07/22/20 14:00	07/23/20 08:30
40211571015	TS-GP-23(6-7)-20200722	Solid	07/22/20 14:05	07/23/20 08:30
40211571016	TS-GP-23(11-12)-20200722	Solid	07/22/20 14:10	07/23/20 08:30
40211571017	TS-GP-23(13-14)-20200722	Solid	07/22/20 14:15	07/23/20 08:30
40211571018	TS-GP-24(1-2)-20200722	Solid	07/22/20 14:55	07/23/20 08:30
40211571019	TS-GP-24(6-7)-20200722	Solid	07/22/20 15:00	07/23/20 08:30
40211571020	TS-GP-24(11-12)-20200722	Solid	07/22/20 15:05	07/23/20 08:30
40211571021	TS-GP-24(13-14)-20200722	Solid	07/22/20 15:10	07/23/20 08:30
40211571022	TS-VAS-27(20-24)-20200722	Water	07/22/20 15:40	07/23/20 08:30
40211571023	TS-VAS-27(31-35)-20200722	Water	07/22/20 15:50	07/23/20 08:30
40211571024	DUP-1-20200722	Water	07/22/20 00:00	07/23/20 08:30

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40211571001	TS-GP-21(3-4)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571002	TS-GP-21(6-7)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571003	TS-GP-21(11-12)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211571004	TS-GP-21(13-14)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211571005	TS-VAS-25-(15-18)-20200722	EPA 8260	HNW	64	PASI-G
40211571006	TS-VAS-25-(20-23)-20200722	EPA 8260	HNW	64	PASI-G
40211571007	TS-VAS-25-(30-33)-20200722	EPA 8260	HNW	64	PASI-G
40211571008	TS-GP-22(1-2)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571009	TS-GP-22(6-7)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571010	TS-GP-22(11-12)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211571011	TS-GP-22(13-14)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571012	TS-VAS-26(21-25)-20200722	EPA 8260	HNW	64	PASI-G
40211571013	TS-VAS-26(31-35)-20200722	EPA 8260	HNW	64	PASI-G
40211571014	TS-GP-23(3-4)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571015	TS-GP-23(6-7)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571016	TS-GP-23(11-12)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571017	TS-GP-23(13-14)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571018	TS-GP-24(1-2)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571019	TS-GP-24(6-7)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571020	TS-GP-24(11-12)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40211571021	TS-GP-24(13-14)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40211571022	TS-VAS-27(20-24)-20200722	EPA 8260	HNW	64	PASI-G
40211571023	TS-VAS-27(31-35)-20200722	EPA 8260	HNW	64	PASI-G
40211571024	DUP-1-20200722	EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-21(3-4)-20200722** Lab ID: **40211571001** Collected: 07/22/20 09:00 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 13:50	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 13:50	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 13:50	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 13:50	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	95-50-1	W
1,2-Dichloroethane	42700	ug/kg	412	172	5	07/24/20 07:30	07/27/20 13:24	107-06-2	
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 13:50	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 13:50	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 13:50	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 13:50	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 13:50	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 13:50	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 13:50	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 13:50	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 13:50	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 13:50	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 13:50	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 13:50	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-GP-21(3-4)-20200722 Lab ID: 40211571001** Collected: 07/22/20 09:00 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 13:50	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 13:50	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 13:50	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 13:50	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 13:50	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 13:50	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 13:50	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 13:50	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 13:50	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 13:50	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	58-145		1	07/24/20 07:30	07/24/20 13:50	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	07/24/20 07:30	07/24/20 13:50	2037-26-5	
4-Bromofluorobenzene (S)	109	%	52-137		1	07/24/20 07:30	07/24/20 13:50	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	27.1	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-GP-21(6-7)-20200722 Lab ID: 40211571002** Collected: 07/22/20 09:05 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 14:36	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 14:36	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 14:36	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 14:36	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 14:36	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 14:36	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 14:36	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 14:36	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 14:36	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 14:36	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 14:36	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 14:36	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 14:36	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 14:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 14:36	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 14:36	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-21(6-7)-20200722 Lab ID: 40211571002** Collected: 07/22/20 09:05 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 14:36	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 14:36	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 14:36	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 14:36	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:36	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:36	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:36	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 14:36	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 14:36	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 14:36	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	58-145		1	07/24/20 07:30	07/24/20 14:36	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	07/24/20 07:30	07/24/20 14:36	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	07/24/20 07:30	07/24/20 14:36	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	56.7	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-21(11-12)-20200722** Lab ID: **40211571003** Collected: 07/22/20 09:10 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 15:00	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 15:00	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 15:00	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 15:00	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 15:00	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 15:00	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 15:00	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 15:00	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 15:00	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 15:00	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 15:00	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 15:00	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 15:00	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 15:00	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 15:00	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 15:00	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-21(11-12)-20200722 Lab ID: 40211571003** Collected: 07/22/20 09:10 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 15:00	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 15:00	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 15:00	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 15:00	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:00	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:00	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:00	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 15:00	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 15:00	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 15:00	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	58-145		1	07/24/20 07:30	07/24/20 15:00	1868-53-7	
Toluene-d8 (S)	115	%	56-140		1	07/24/20 07:30	07/24/20 15:00	2037-26-5	
4-Bromofluorobenzene (S)	110	%	52-137		1	07/24/20 07:30	07/24/20 15:00	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	27.7	%	0.10	0.10	1		07/23/20 14:49		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-GP-21(13-14)-20200722 Lab ID: 40211571004** Collected: 07/22/20 09:15 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 15:23	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 15:23	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 15:23	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 15:23	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 15:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 15:23	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 15:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 15:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 15:23	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 15:23	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 15:23	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 15:23	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 15:23	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 15:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 15:23	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 15:23	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-21(13-14)-20200722 Lab ID: 40211571004** Collected: 07/22/20 09:15 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 15:23	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 15:23	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 15:23	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 15:23	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:23	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:23	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 15:23	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 15:23	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 15:23	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	58-145		1	07/24/20 07:30	07/24/20 15:23	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	07/24/20 07:30	07/24/20 15:23	2037-26-5	
4-Bromofluorobenzene (S)	110	%	52-137		1	07/24/20 07:30	07/24/20 15:23	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>27.0</b>	%	0.10	0.10	1		07/23/20 14:29		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-25-(15-18)-20200722      **Lab ID:** 40211571005      Collected: 07/22/20 10:25      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 15:27	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/20 15:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/20 15:27	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/20 15:27	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 15:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/20 15:27	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/20 15:27	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/23/20 15:27	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/20 15:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/20 15:27	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/20 15:27	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/20 15:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/20 15:27	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 15:27	95-50-1	
1,2-Dichloroethane	0.40J	ug/L	1.0	0.28	1		07/23/20 15:27	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/20 15:27	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/20 15:27	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/20 15:27	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/20 15:27	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/20 15:27	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/20 15:27	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/20 15:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/20 15:27	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/23/20 15:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/20 15:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/20 15:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/20 15:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/20 15:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/20 15:27	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/23/20 15:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 15:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/20 15:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/20 15:27	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/20 15:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/20 15:27	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/20 15:27	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/20 15:27	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/20 15:27	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/23/20 15:27	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/23/20 15:27	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/23/20 15:27	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/20 15:27	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/20 15:27	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/20 15:27	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-25-(15-18)-20200722      **Lab ID:** 40211571005      Collected: 07/22/20 10:25      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/23/20 15:27	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/20 15:27	127-18-4	
Toluene	0.40J	ug/L	0.90	0.27	1		07/23/20 15:27	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/20 15:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/20 15:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/20 15:27	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/23/20 15:27	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/20 15:27	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/20 15:27	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 15:27	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/20 15:27	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/20 15:27	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/20 15:27	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/20 15:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/20 15:27	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/23/20 15:27	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/20 15:27	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/23/20 15:27	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		07/23/20 15:27	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/23/20 15:27	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-25-(20-23)-20200722      **Lab ID:** 40211571006      Collected: 07/22/20 10:45      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 15:50	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/20 15:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/20 15:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/20 15:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 15:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/20 15:50	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/20 15:50	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/23/20 15:50	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/20 15:50	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/20 15:50	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/20 15:50	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/20 15:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/20 15:50	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 15:50	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/20 15:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/20 15:50	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/20 15:50	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/20 15:50	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/20 15:50	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/20 15:50	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/20 15:50	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/20 15:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/20 15:50	106-43-4	
Benzene	0.28J	ug/L	1.0	0.25	1		07/23/20 15:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/20 15:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/20 15:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/20 15:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/20 15:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/20 15:50	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/23/20 15:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 15:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/23/20 15:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/20 15:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/20 15:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/20 15:50	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/20 15:50	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/20 15:50	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/20 15:50	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/23/20 15:50	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/23/20 15:50	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/23/20 15:50	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/20 15:50	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/20 15:50	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/20 15:50	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-25-(20-23)-20200722      **Lab ID:** 40211571006      Collected: 07/22/20 10:45      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/23/20 15:50	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/20 15:50	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/23/20 15:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/20 15:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/20 15:50	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/23/20 15:50	75-01-4	
cis-1,2-Dichloroethene	0.43J	ug/L	1.0	0.27	1		07/23/20 15:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/20 15:50	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/20 15:50	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 15:50	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/20 15:50	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/20 15:50	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/20 15:50	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/20 15:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/20 15:50	98-06-6	
trans-1,2-Dichloroethene	1.3J	ug/L	1.5	0.46	1		07/23/20 15:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/20 15:50	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/23/20 15:50	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		07/23/20 15:50	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		07/23/20 15:50	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-25-(30-33)-20200722      **Lab ID:** 40211571007      Collected: 07/22/20 11:15      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 16:12	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/20 16:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/20 16:12	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/20 16:12	79-00-5	
1,1-Dichloroethane	0.38J	ug/L	1.0	0.27	1		07/23/20 16:12	75-34-3	
1,1-Dichloroethene	0.75J	ug/L	1.0	0.24	1		07/23/20 16:12	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/20 16:12	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/23/20 16:12	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/20 16:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/20 16:12	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/20 16:12	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/20 16:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/20 16:12	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 16:12	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/23/20 16:12	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/20 16:12	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/20 16:12	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/20 16:12	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/20 16:12	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/20 16:12	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/20 16:12	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/20 16:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/20 16:12	106-43-4	
Benzene	2.0	ug/L	1.0	0.25	1		07/23/20 16:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/20 16:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/20 16:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/20 16:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/20 16:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/20 16:12	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/23/20 16:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 16:12	108-90-7	
Chloroethane	2.3J	ug/L	5.0	1.3	1		07/23/20 16:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/20 16:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/20 16:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/20 16:12	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/20 16:12	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/20 16:12	75-71-8	
Diisopropyl ether	8.4	ug/L	6.3	1.9	1		07/23/20 16:12	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/23/20 16:12	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/23/20 16:12	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/23/20 16:12	98-82-8	
Methyl-tert-butyl ether	1.4J	ug/L	4.2	1.2	1		07/23/20 16:12	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/20 16:12	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/20 16:12	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-VAS-25-(30-33)-20200722**      **Lab ID: 40211571007**      Collected: 07/22/20 11:15      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/23/20 16:12	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/20 16:12	127-18-4	
Toluene	0.35J	ug/L	0.90	0.27	1		07/23/20 16:12	108-88-3	
Trichloroethene	0.78J	ug/L	1.0	0.26	1		07/23/20 16:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/20 16:12	75-69-4	
Vinyl chloride	42.5	ug/L	1.0	0.17	1		07/23/20 16:12	75-01-4	
cis-1,2-Dichloroethene	14.5	ug/L	1.0	0.27	1		07/23/20 16:12	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/20 16:12	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/20 16:12	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 16:12	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/20 16:12	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/20 16:12	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/20 16:12	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/20 16:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/20 16:12	98-06-6	
trans-1,2-Dichloroethene	5.3	ug/L	1.5	0.46	1		07/23/20 16:12	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/20 16:12	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/23/20 16:12	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		07/23/20 16:12	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/23/20 16:12	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-22(1-2)-20200722** Lab ID: **40211571008** Collected: 07/22/20 11:45 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 15:46	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 15:46	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 15:46	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 15:46	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 15:46	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 15:46	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 15:46	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 15:46	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 15:46	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 15:46	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 15:46	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 15:46	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 15:46	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 15:46	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 15:46	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 15:46	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

Sample: **TS-GP-22(1-2)-20200722** Lab ID: **40211571008** Collected: 07/22/20 11:45 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 15:46	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 15:46	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 15:46	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 15:46	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 15:46	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:46	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 15:46	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 15:46	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 15:46	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 15:46	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	108	%	58-145		1	07/24/20 07:30	07/24/20 15:46	1868-53-7	
Toluene-d8 (S)	113	%	56-140		1	07/24/20 07:30	07/24/20 15:46	2037-26-5	
4-Bromofluorobenzene (S)	109	%	52-137		1	07/24/20 07:30	07/24/20 15:46	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.2	%	0.10	0.10	1		07/29/20 08:04		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-22(6-7)-20200722** Lab ID: **40211571009** Collected: 07/22/20 11:50 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	630-20-6	W
1,1,1-Trichloroethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	71-55-6	W
1,1,2,2-Tetrachloroethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	79-34-5	W
1,1,2-Trichloroethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	79-00-5	W
1,1-Dichloroethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	75-34-3	W
1,1-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	75-35-4	W
1,1-Dichloropropene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	563-58-6	W
1,2,3-Trichlorobenzene	<50.3	ug/kg	168	50.3	1	07/24/20 07:30	07/24/20 16:09	87-61-6	W
1,2,3-Trichloropropane	<39.8	ug/kg	133	39.8	1	07/24/20 07:30	07/24/20 16:09	96-18-4	W
1,2,4-Trichlorobenzene	<44.3	ug/kg	266	44.3	1	07/24/20 07:30	07/24/20 16:09	120-82-1	W
1,2,4-Trimethylbenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	95-63-6	W
1,2-Dibromo-3-chloropropane	<252	ug/kg	839	252	1	07/24/20 07:30	07/24/20 16:09	96-12-8	W
1,2-Dibromoethane (EDB)	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	106-93-4	W
1,2-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	95-50-1	W
1,2-Dichloroethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	107-06-2	W
1,2-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	78-87-5	W
1,3,5-Trimethylbenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	108-67-8	W
1,3-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	541-73-1	W
1,3-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	142-28-9	W
1,4-Dichlorobenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	106-46-7	W
2,2-Dichloropropane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	594-20-7	W
2-Chlorotoluene	<26.6	ug/kg	68.1	26.6	1	07/24/20 07:30	07/24/20 16:09	95-49-8	W
4-Chlorotoluene	<26.6	ug/kg	68.1	26.6	1	07/24/20 07:30	07/24/20 16:09	106-43-4	W
Benzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	71-43-2	W
Bromobenzene	<26.6	ug/kg	66.0	26.6	1	07/24/20 07:30	07/24/20 16:09	108-86-1	W
Bromochloromethane	<26.6	ug/kg	74.5	26.6	1	07/24/20 07:30	07/24/20 16:09	74-97-5	W
Bromodichloromethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	75-27-4	W
Bromoform	<26.6	ug/kg	76.6	26.6	1	07/24/20 07:30	07/24/20 16:09	75-25-2	W
Bromomethane	<67.8	ug/kg	266	67.8	1	07/24/20 07:30	07/24/20 16:09	74-83-9	W
Carbon tetrachloride	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	56-23-5	W
Chlorobenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	108-90-7	W
Chloroethane	<49.4	ug/kg	266	49.4	1	07/24/20 07:30	07/24/20 16:09	75-00-3	W
Chloroform	<50.5	ug/kg	266	50.5	1	07/24/20 07:30	07/24/20 16:09	67-66-3	W
Chloromethane	<26.6	ug/kg	85.1	26.6	1	07/24/20 07:30	07/24/20 16:09	74-87-3	W
Dibromochloromethane	<244	ug/kg	812	244	1	07/24/20 07:30	07/24/20 16:09	124-48-1	W
Dibromomethane	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	74-95-3	W
Dichlorodifluoromethane	<26.6	ug/kg	76.6	26.6	1	07/24/20 07:30	07/24/20 16:09	75-71-8	W
Diisopropyl ether	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	108-20-3	W
Ethylbenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	100-41-4	W
Hexachloro-1,3-butadiene	<73.1	ug/kg	244	73.1	1	07/24/20 07:30	07/24/20 16:09	87-68-3	W
Isopropylbenzene (Cumene)	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	98-82-8	W
Methyl-tert-butyl ether	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	1634-04-4	W
Methylene Chloride	<27.9	ug/kg	93.6	27.9	1	07/24/20 07:30	07/24/20 16:09	75-09-2	W
Naphthalene	<29.0	ug/kg	96.8	29.0	1	07/24/20 07:30	07/24/20 16:09	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-22(6-7)-20200722 Lab ID: 40211571009** Collected: 07/22/20 11:50 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	100-42-5	W
Tetrachloroethene	<41.2	ug/kg	137	41.2	1	07/24/20 07:30	07/24/20 16:09	127-18-4	W
Toluene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	108-88-3	W
Trichloroethene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	79-01-6	W
Trichlorofluoromethane	<26.6	ug/kg	69.1	26.6	1	07/24/20 07:30	07/24/20 16:09	75-69-4	W
Vinyl chloride	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	75-01-4	L1,W
cis-1,2-Dichloroethene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	156-59-2	W
cis-1,3-Dichloropropene	<45.0	ug/kg	150	45.0	1	07/24/20 07:30	07/24/20 16:09	10061-01-5	W
m&p-Xylene	<53.2	ug/kg	128	53.2	1	07/24/20 07:30	07/24/20 16:09	179601-23-1	W
n-Butylbenzene	<31.9	ug/kg	106	31.9	1	07/24/20 07:30	07/24/20 16:09	104-51-8	W
n-Propylbenzene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	103-65-1	W
o-Xylene	<26.6	ug/kg	63.8	26.6	1	07/24/20 07:30	07/24/20 16:09	95-47-6	W
p-Isopropyltoluene	<26.6	ug/kg	76.6	26.6	1	07/24/20 07:30	07/24/20 16:09	99-87-6	W
sec-Butylbenzene	<26.6	ug/kg	76.6	26.6	1	07/24/20 07:30	07/24/20 16:09	135-98-8	W
tert-Butylbenzene	<26.6	ug/kg	66.0	26.6	1	07/24/20 07:30	07/24/20 16:09	98-06-6	W
trans-1,2-Dichloroethene	<26.6	ug/kg	71.3	26.6	1	07/24/20 07:30	07/24/20 16:09	156-60-5	W
trans-1,3-Dichloropropene	<26.6	ug/kg	78.7	26.6	1	07/24/20 07:30	07/24/20 16:09	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	79	%	58-145		1	07/24/20 07:30	07/24/20 16:09	1868-53-7	
Toluene-d8 (S)	80	%	56-140		1	07/24/20 07:30	07/24/20 16:09	2037-26-5	
4-Bromofluorobenzene (S)	71	%	52-137		1	07/24/20 07:30	07/24/20 16:09	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>79.5</b>	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-22(11-12)-20200722 Lab ID: 40211571010** Collected: 07/22/20 11:55 Received: 07/23/20 08:30 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 16:32	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 16:32	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 16:32	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 16:32	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 16:32	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 16:32	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 16:32	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 16:32	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 16:32	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 16:32	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 16:32	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 16:32	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 16:32	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 16:32	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 16:32	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 16:32	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-22(11-12)-20200722 Lab ID: 40211571010** Collected: 07/22/20 11:55 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 16:32	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 16:32	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 16:32	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 16:32	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:32	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:32	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:32	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 16:32	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 16:32	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 16:32	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	107	%	58-145		1	07/24/20 07:30	07/24/20 16:32	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	07/24/20 07:30	07/24/20 16:32	2037-26-5	
4-Bromofluorobenzene (S)	105	%	52-137		1	07/24/20 07:30	07/24/20 16:32	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>24.8</b>	%	0.10	0.10	1		07/23/20 13:56		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: TS-GP-22(13-14)-20200722 Lab ID: 40211571011 Collected: 07/22/20 12:00 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 16:55	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 16:55	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 16:55	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 16:55	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 16:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 16:55	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 16:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 16:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 16:55	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 16:55	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 16:55	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 16:55	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 16:55	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 16:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 16:55	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 16:55	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-22(13-14)-20200722 Lab ID: 40211571011** Collected: 07/22/20 12:00 Received: 07/23/20 08:30 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 16:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 16:55	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 16:55	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 16:55	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 16:55	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:55	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 16:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 16:55	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 16:55	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 16:55	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	109	%	58-145		1	07/24/20 07:30	07/24/20 16:55	1868-53-7	
Toluene-d8 (S)	112	%	56-140		1	07/24/20 07:30	07/24/20 16:55	2037-26-5	
4-Bromofluorobenzene (S)	107	%	52-137		1	07/24/20 07:30	07/24/20 16:55	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	27.6	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-26(21-25)-20200722      **Lab ID:** 40211571012      Collected: 07/22/20 12:50      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 18:00	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/23/20 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/23/20 18:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/23/20 18:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/23/20 18:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/23/20 18:00	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/20 18:00	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/23/20 18:00	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/23/20 18:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/23/20 18:00	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/20 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/20 18:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/20 18:00	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 18:00	95-50-1	
1,2-Dichloroethane	0.43J	ug/L	1.0	0.28	1		07/23/20 18:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/23/20 18:00	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/20 18:00	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/20 18:00	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/20 18:00	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/20 18:00	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/20 18:00	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/23/20 18:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/20 18:00	106-43-4	
Benzene	1.4	ug/L	1.0	0.25	1		07/23/20 18:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/23/20 18:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/23/20 18:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/20 18:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/20 18:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/23/20 18:00	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/23/20 18:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 18:00	108-90-7	
Chloroethane	4.6J	ug/L	5.0	1.3	1		07/23/20 18:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/23/20 18:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/20 18:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/20 18:00	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/20 18:00	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/23/20 18:00	75-71-8	
Diisopropyl ether	12.3	ug/L	6.3	1.9	1		07/23/20 18:00	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/23/20 18:00	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/23/20 18:00	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/23/20 18:00	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/20 18:00	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/23/20 18:00	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/23/20 18:00	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-26(21-25)-20200722      **Lab ID:** 40211571012      Collected: 07/22/20 12:50      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/23/20 18:00	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/20 18:00	127-18-4	
Toluene	0.56J	ug/L	0.90	0.27	1		07/23/20 18:00	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/23/20 18:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/23/20 18:00	75-69-4	
Vinyl chloride	2.4	ug/L	1.0	0.17	1		07/23/20 18:00	75-01-4	
cis-1,2-Dichloroethene	0.51J	ug/L	1.0	0.27	1		07/23/20 18:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/20 18:00	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/23/20 18:00	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/20 18:00	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/23/20 18:00	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/23/20 18:00	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/20 18:00	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/23/20 18:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/20 18:00	98-06-6	
trans-1,2-Dichloroethene	0.49J	ug/L	1.5	0.46	1		07/23/20 18:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/20 18:00	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/23/20 18:00	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		07/23/20 18:00	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/23/20 18:00	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample:** TS-VAS-26(31-35)-20200722      **Lab ID:** 40211571013      Collected: 07/22/20 13:10      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 07:22	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/24/20 07:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 07:22	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/24/20 07:22	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 07:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/24/20 07:22	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/24/20 07:22	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/24/20 07:22	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/24/20 07:22	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/24/20 07:22	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/24/20 07:22	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/24/20 07:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/24/20 07:22	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 07:22	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 07:22	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/24/20 07:22	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/24/20 07:22	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/24/20 07:22	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/24/20 07:22	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/24/20 07:22	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/24/20 07:22	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/24/20 07:22	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/24/20 07:22	106-43-4	
Benzene	1.1	ug/L	1.0	0.25	1		07/24/20 07:22	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/24/20 07:22	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/24/20 07:22	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/24/20 07:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/24/20 07:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/24/20 07:22	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/24/20 07:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 07:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/24/20 07:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/24/20 07:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/24/20 07:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/24/20 07:22	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/24/20 07:22	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/24/20 07:22	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/24/20 07:22	108-20-3	
Ethylbenzene	0.39J	ug/L	1.1	0.32	1		07/24/20 07:22	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/24/20 07:22	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/24/20 07:22	98-82-8	
Methyl-tert-butyl ether	1.8J	ug/L	4.2	1.2	1		07/24/20 07:22	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/24/20 07:22	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/24/20 07:22	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample:** TS-VAS-26(31-35)-20200722      **Lab ID:** 40211571013      Collected: 07/22/20 13:10      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Styrene	<3.0	ug/L	10.0	3.0	1		07/24/20 07:22	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/24/20 07:22	127-18-4	
Toluene	1.2	ug/L	0.90	0.27	1		07/24/20 07:22	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/24/20 07:22	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/24/20 07:22	75-69-4	
Vinyl chloride	4.2	ug/L	1.0	0.17	1		07/24/20 07:22	75-01-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.27	1		07/24/20 07:22	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/24/20 07:22	10061-01-5	
m&p-Xylene	0.48J	ug/L	2.0	0.47	1		07/24/20 07:22	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 07:22	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/24/20 07:22	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/24/20 07:22	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/24/20 07:22	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/24/20 07:22	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/24/20 07:22	98-06-6	
trans-1,2-Dichloroethene	0.74J	ug/L	1.5	0.46	1		07/24/20 07:22	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/24/20 07:22	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/24/20 07:22	460-00-4	pH
Dibromofluoromethane (S)	111	%	70-130		1		07/24/20 07:22	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/24/20 07:22	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-23(3-4)-20200722** Lab ID: **40211571014** Collected: 07/22/20 14:00 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 17:18	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 17:18	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 17:18	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 17:18	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	95-50-1	W
1,2-Dichloroethane	241	ug/kg	74.1	30.9	1	07/24/20 07:30	07/24/20 17:18	107-06-2	
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 17:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 17:18	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 17:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 17:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 17:18	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 17:18	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 17:18	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 17:18	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 17:18	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 17:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 17:18	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 17:18	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-23(3-4)-20200722 Lab ID: 40211571014** Collected: 07/22/20 14:00 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 17:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	108-88-3	W
Trichloroethene	97.3	ug/kg	74.1	30.9	1	07/24/20 07:30	07/24/20 17:18	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	75-01-4	L1,W
cis-1,2-Dichloroethene	48.1J	ug/kg	74.1	30.9	1	07/24/20 07:30	07/24/20 17:18	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 17:18	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 17:18	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 17:18	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:18	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:18	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 17:18	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 17:18	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 17:18	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	106	%	58-145		1	07/24/20 07:30	07/24/20 17:18	1868-53-7	
Toluene-d8 (S)	108	%	56-140		1	07/24/20 07:30	07/24/20 17:18	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	07/24/20 07:30	07/24/20 17:18	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	19.0	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

Sample: **TS-GP-23(6-7)-20200722** Lab ID: **40211571015** Collected: 07/22/20 14:05 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 14:13	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 14:13	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 14:13	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 14:13	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	95-50-1	W
1,2-Dichloroethane	363	ug/kg	68.9	28.7	1	07/24/20 07:30	07/24/20 14:13	107-06-2	
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 14:13	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 14:13	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 14:13	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 14:13	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 14:13	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 14:13	75-00-3	M1,W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 14:13	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 14:13	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 14:13	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 14:13	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 14:13	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 14:13	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-GP-23(6-7)-20200722 Lab ID: 40211571015** Collected: 07/22/20 14:05 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 14:13	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	108-88-3	W
Trichloroethene	479	ug/kg	68.9	28.7	1	07/24/20 07:30	07/24/20 14:13	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	75-01-4	L1,W
cis-1,2-Dichloroethene	143	ug/kg	68.9	28.7	1	07/24/20 07:30	07/24/20 14:13	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 14:13	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 14:13	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 14:13	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 14:13	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:13	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 14:13	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 14:13	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 14:13	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 14:13	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	58-145		1	07/24/20 07:30	07/24/20 14:13	1868-53-7	
Toluene-d8 (S)	110	%	56-140		1	07/24/20 07:30	07/24/20 14:13	2037-26-5	
4-Bromofluorobenzene (S)	105	%	52-137		1	07/24/20 07:30	07/24/20 14:13	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.9	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-23(11-12)-20200722** Lab ID: **40211571016** Collected: 07/22/20 14:10 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 17:41	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 17:41	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 17:41	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 17:41	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 17:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 17:41	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 17:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 17:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 17:41	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 17:41	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 17:41	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 17:41	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 17:41	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 17:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 17:41	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 17:41	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: **TS-GP-23(11-12)-20200722** Lab ID: **40211571016** Collected: 07/22/20 14:10 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 17:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 17:41	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 17:41	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 17:41	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 17:41	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:41	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 17:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 17:41	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 17:41	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 17:41	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	113	%	58-145		1	07/24/20 07:30	07/24/20 17:41	1868-53-7	
Toluene-d8 (S)	115	%	56-140		1	07/24/20 07:30	07/24/20 17:41	2037-26-5	
4-Bromofluorobenzene (S)	113	%	52-137		1	07/24/20 07:30	07/24/20 17:41	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	22.3	%	0.10	0.10	1		07/29/20 08:04		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: TS-GP-23(13-14)-20200722 Lab ID: 40211571017 Collected: 07/22/20 14:15 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 18:05	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 18:05	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 18:05	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 18:05	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 18:05	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 18:05	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 18:05	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 18:05	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 18:05	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 18:05	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 18:05	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 18:05	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 18:05	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 18:05	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 18:05	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 18:05	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-GP-23(13-14)-20200722 Lab ID: 40211571017** Collected: 07/22/20 14:15 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 18:05	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 18:05	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 18:05	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 18:05	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:05	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:05	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:05	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 18:05	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 18:05	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 18:05	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	114	%	58-145		1	07/24/20 07:30	07/24/20 18:05	1868-53-7	
Toluene-d8 (S)	117	%	56-140		1	07/24/20 07:30	07/24/20 18:05	2037-26-5	
4-Bromofluorobenzene (S)	111	%	52-137		1	07/24/20 07:30	07/24/20 18:05	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	25.1	%	0.10	0.10	1		07/29/20 08:05		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-24(1-2)-20200722 Lab ID: 40211571018** Collected: 07/22/20 14:55 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 07:30	07/24/20 18:28	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 07:30	07/24/20 18:28	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 07:30	07/24/20 18:28	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 07:30	07/24/20 18:28	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 18:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 07:30	07/24/20 18:28	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 18:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 07:30	07/24/20 18:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 07:30	07/24/20 18:28	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 07:30	07/24/20 18:28	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 07:30	07/24/20 18:28	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 07:30	07/24/20 18:28	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 07:30	07/24/20 18:28	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 07:30	07/24/20 18:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 07:30	07/24/20 18:28	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 07:30	07/24/20 18:28	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-24(1-2)-20200722 Lab ID: 40211571018** Collected: 07/22/20 14:55 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 07:30	07/24/20 18:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	75-01-4	L1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 07:30	07/24/20 18:28	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 07:30	07/24/20 18:28	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 07:30	07/24/20 18:28	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 07:30	07/24/20 18:28	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:28	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 07:30	07/24/20 18:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 07:30	07/24/20 18:28	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 07:30	07/24/20 18:28	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 07:30	07/24/20 18:28	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	121	%	58-145		1	07/24/20 07:30	07/24/20 18:28	1868-53-7	
Toluene-d8 (S)	126	%	56-140		1	07/24/20 07:30	07/24/20 18:28	2037-26-5	
4-Bromofluorobenzene (S)	124	%	52-137		1	07/24/20 07:30	07/24/20 18:28	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>16.8</b>	%	0.10	0.10	1		07/29/20 08:05		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: TS-GP-24(6-7)-20200722 Lab ID: 40211571019 Collected: 07/22/20 15:00 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 08:00	07/24/20 17:47	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 08:00	07/24/20 17:47	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 08:00	07/24/20 17:47	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 08:00	07/24/20 17:47	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 08:00	07/24/20 17:47	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 08:00	07/24/20 17:47	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 08:00	07/24/20 17:47	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 08:00	07/24/20 17:47	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 08:00	07/24/20 17:47	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 08:00	07/24/20 17:47	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 08:00	07/24/20 17:47	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 08:00	07/24/20 17:47	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 08:00	07/24/20 17:47	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 08:00	07/24/20 17:47	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 08:00	07/24/20 17:47	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 08:00	07/24/20 17:47	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

Sample: **TS-GP-24(6-7)-20200722** Lab ID: **40211571019** Collected: 07/22/20 15:00 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 08:00	07/24/20 17:47	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 08:00	07/24/20 17:47	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 08:00	07/24/20 17:47	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 08:00	07/24/20 17:47	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 17:47	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 17:47	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 17:47	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 08:00	07/24/20 17:47	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 08:00	07/24/20 17:47	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 08:00	07/24/20 17:47	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	58-145		1	07/24/20 08:00	07/24/20 17:47	1868-53-7	
Toluene-d8 (S)	87	%	56-140		1	07/24/20 08:00	07/24/20 17:47	2037-26-5	
4-Bromofluorobenzene (S)	74	%	52-137		1	07/24/20 08:00	07/24/20 17:47	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>75.4</b>	%	0.10	0.10	1		07/29/20 08:05		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-24(11-12)-20200722 Lab ID: 40211571020** Collected: 07/22/20 15:05 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 08:00	07/24/20 18:10	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 08:00	07/24/20 18:10	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 08:00	07/24/20 18:10	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 08:00	07/24/20 18:10	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 08:00	07/24/20 18:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 08:00	07/24/20 18:10	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 08:00	07/24/20 18:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 08:00	07/24/20 18:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 08:00	07/24/20 18:10	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 08:00	07/24/20 18:10	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 08:00	07/24/20 18:10	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 08:00	07/24/20 18:10	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 08:00	07/24/20 18:10	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 08:00	07/24/20 18:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 08:00	07/24/20 18:10	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 08:00	07/24/20 18:10	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: TS-GP-24(11-12)-20200722 Lab ID: 40211571020** Collected: 07/22/20 15:05 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 08:00	07/24/20 18:10	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 08:00	07/24/20 18:10	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 08:00	07/24/20 18:10	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 08:00	07/24/20 18:10	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:10	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:10	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 08:00	07/24/20 18:10	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 08:00	07/24/20 18:10	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 08:00	07/24/20 18:10	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	111	%	58-145		1	07/24/20 08:00	07/24/20 18:10	1868-53-7	
Toluene-d8 (S)	93	%	56-140		1	07/24/20 08:00	07/24/20 18:10	2037-26-5	
4-Bromofluorobenzene (S)	85	%	52-137		1	07/24/20 08:00	07/24/20 18:10	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	21.9	%	0.10	0.10	1		07/29/20 08:05		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: TS-GP-24(13-14)-20200722 Lab ID: 40211571021 Collected: 07/22/20 15:10 Received: 07/23/20 08:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/24/20 08:00	07/24/20 18:33	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/24/20 08:00	07/24/20 18:33	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/24/20 08:00	07/24/20 18:33	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/24/20 08:00	07/24/20 18:33	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 08:00	07/24/20 18:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/24/20 08:00	07/24/20 18:33	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 08:00	07/24/20 18:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/24/20 08:00	07/24/20 18:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/24/20 08:00	07/24/20 18:33	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/24/20 08:00	07/24/20 18:33	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/24/20 08:00	07/24/20 18:33	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/24/20 08:00	07/24/20 18:33	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/24/20 08:00	07/24/20 18:33	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/24/20 08:00	07/24/20 18:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/24/20 08:00	07/24/20 18:33	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/24/20 08:00	07/24/20 18:33	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample: TS-GP-24(13-14)-20200722 Lab ID: 40211571021** Collected: 07/22/20 15:10 Received: 07/23/20 08:30 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/24/20 08:00	07/24/20 18:33	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/24/20 08:00	07/24/20 18:33	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/24/20 08:00	07/24/20 18:33	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/24/20 08:00	07/24/20 18:33	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/24/20 08:00	07/24/20 18:33	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:33	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/24/20 08:00	07/24/20 18:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/24/20 08:00	07/24/20 18:33	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/24/20 08:00	07/24/20 18:33	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/24/20 08:00	07/24/20 18:33	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	135	%	58-145		1	07/24/20 08:00	07/24/20 18:33	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	07/24/20 08:00	07/24/20 18:33	2037-26-5	
4-Bromofluorobenzene (S)	98	%	52-137		1	07/24/20 08:00	07/24/20 18:33	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	27.3	%	0.10	0.10	1		07/29/20 08:05		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample:** TS-VAS-27(20-24)-20200722      **Lab ID:** 40211571022      Collected: 07/22/20 15:40      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 07:44	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/24/20 07:44	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 07:44	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/24/20 07:44	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 07:44	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/24/20 07:44	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/24/20 07:44	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/24/20 07:44	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/24/20 07:44	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/24/20 07:44	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/24/20 07:44	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/24/20 07:44	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/24/20 07:44	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 07:44	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 07:44	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/24/20 07:44	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/24/20 07:44	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/24/20 07:44	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/24/20 07:44	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/24/20 07:44	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/24/20 07:44	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/24/20 07:44	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/24/20 07:44	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/24/20 07:44	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/24/20 07:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/24/20 07:44	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/24/20 07:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/24/20 07:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/24/20 07:44	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/24/20 07:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 07:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/24/20 07:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/24/20 07:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/24/20 07:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/24/20 07:44	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/24/20 07:44	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/24/20 07:44	75-71-8	
Diisopropyl ether	3.5J	ug/L	6.3	1.9	1		07/24/20 07:44	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/24/20 07:44	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/24/20 07:44	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/24/20 07:44	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/24/20 07:44	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/24/20 07:44	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/24/20 07:44	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample:** TS-VAS-27(20-24)-20200722      **Lab ID:** 40211571022      Collected: 07/22/20 15:40      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/24/20 07:44	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/24/20 07:44	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/24/20 07:44	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/24/20 07:44	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/24/20 07:44	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/24/20 07:44	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/24/20 07:44	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/24/20 07:44	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/24/20 07:44	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 07:44	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/24/20 07:44	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/24/20 07:44	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/24/20 07:44	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/24/20 07:44	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/24/20 07:44	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/24/20 07:44	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/24/20 07:44	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/24/20 07:44	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		07/24/20 07:44	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/24/20 07:44	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample:** TS-VAS-27(31-35)-20200722      **Lab ID:** 40211571023      Collected: 07/22/20 15:50      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 08:07	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/24/20 08:07	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 08:07	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/24/20 08:07	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 08:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/24/20 08:07	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/24/20 08:07	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/24/20 08:07	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/24/20 08:07	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/24/20 08:07	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/24/20 08:07	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/24/20 08:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/24/20 08:07	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 08:07	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 08:07	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/24/20 08:07	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/24/20 08:07	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/24/20 08:07	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/24/20 08:07	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/24/20 08:07	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/24/20 08:07	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/24/20 08:07	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/24/20 08:07	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/24/20 08:07	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/24/20 08:07	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/24/20 08:07	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/24/20 08:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/24/20 08:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/24/20 08:07	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/24/20 08:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 08:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/24/20 08:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/24/20 08:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/24/20 08:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/24/20 08:07	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/24/20 08:07	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/24/20 08:07	75-71-8	
Diisopropyl ether	1.9J	ug/L	6.3	1.9	1		07/24/20 08:07	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/24/20 08:07	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/24/20 08:07	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/24/20 08:07	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/24/20 08:07	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/24/20 08:07	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/24/20 08:07	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

**Sample:** TS-VAS-27(31-35)-20200722      **Lab ID:** 40211571023      Collected: 07/22/20 15:50      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/24/20 08:07	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/24/20 08:07	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/24/20 08:07	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/24/20 08:07	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/24/20 08:07	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/24/20 08:07	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/24/20 08:07	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/24/20 08:07	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/24/20 08:07	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 08:07	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/24/20 08:07	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/24/20 08:07	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/24/20 08:07	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/24/20 08:07	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/24/20 08:07	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/24/20 08:07	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/24/20 08:07	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/24/20 08:07	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		07/24/20 08:07	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/24/20 08:07	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Sample: DUP-1-20200722 Lab ID: 40211571024 Collected: 07/22/20 00:00 Received: 07/23/20 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 08:29	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/24/20 08:29	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 08:29	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/24/20 08:29	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/24/20 08:29	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/24/20 08:29	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/24/20 08:29	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/24/20 08:29	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/24/20 08:29	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/24/20 08:29	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/24/20 08:29	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/24/20 08:29	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/24/20 08:29	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 08:29	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/24/20 08:29	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/24/20 08:29	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/24/20 08:29	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/24/20 08:29	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/24/20 08:29	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/24/20 08:29	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/24/20 08:29	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/24/20 08:29	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/24/20 08:29	106-43-4	
Benzene	0.99J	ug/L	1.0	0.25	1		07/24/20 08:29	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/24/20 08:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/24/20 08:29	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/24/20 08:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/24/20 08:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/24/20 08:29	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/24/20 08:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 08:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/24/20 08:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/24/20 08:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/24/20 08:29	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/24/20 08:29	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/24/20 08:29	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/24/20 08:29	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/24/20 08:29	108-20-3	
Ethylbenzene	0.41J	ug/L	1.1	0.32	1		07/24/20 08:29	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/24/20 08:29	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/24/20 08:29	98-82-8	
Methyl-tert-butyl ether	1.7J	ug/L	4.2	1.2	1		07/24/20 08:29	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/24/20 08:29	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/24/20 08:29	91-20-3	
Styrene	<3.0	ug/L	10.0	3.0	1		07/24/20 08:29	100-42-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

**Sample: DUP-1-20200722**      **Lab ID: 40211571024**      Collected: 07/22/20 00:00      Received: 07/23/20 08:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/24/20 08:29	127-18-4	
Toluene	1.2	ug/L	0.90	0.27	1		07/24/20 08:29	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/24/20 08:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/24/20 08:29	75-69-4	
Vinyl chloride	4.0	ug/L	1.0	0.17	1		07/24/20 08:29	75-01-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.27	1		07/24/20 08:29	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/24/20 08:29	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/24/20 08:29	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/24/20 08:29	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/24/20 08:29	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/24/20 08:29	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/24/20 08:29	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/24/20 08:29	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/24/20 08:29	98-06-6	
trans-1,2-Dichloroethene	0.69J	ug/L	1.5	0.46	1		07/24/20 08:29	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/24/20 08:29	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/24/20 08:29	460-00-4	pH
Dibromofluoromethane (S)	112	%	70-130		1		07/24/20 08:29	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		07/24/20 08:29	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

---

QC Batch: 361127 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211571001, 40211571002, 40211571003, 40211571004, 40211571008, 40211571009, 40211571010, 40211571011, 40211571014, 40211571015, 40211571016, 40211571017, 40211571018

---

METHOD BLANK: 2087692 Matrix: Solid  
Associated Lab Samples: 40211571001, 40211571002, 40211571003, 40211571004, 40211571008, 40211571009, 40211571010, 40211571011, 40211571014, 40211571015, 40211571016, 40211571017, 40211571018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	07/24/20 10:45	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	07/24/20 10:45	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	07/24/20 10:45	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	07/24/20 10:45	
1,1-Dichloroethane	ug/kg	<13.5	50.0	07/24/20 10:45	
1,1-Dichloroethene	ug/kg	<11.8	50.0	07/24/20 10:45	
1,1-Dichloropropene	ug/kg	<10.7	50.0	07/24/20 10:45	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	07/24/20 10:45	
1,2,3-Trichloropropane	ug/kg	<37.4	125	07/24/20 10:45	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	07/24/20 10:45	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	07/24/20 10:45	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	07/24/20 10:45	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	07/24/20 10:45	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	07/24/20 10:45	
1,2-Dichloroethane	ug/kg	<13.8	50.0	07/24/20 10:45	
1,2-Dichloropropane	ug/kg	<13.5	50.0	07/24/20 10:45	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	07/24/20 10:45	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	07/24/20 10:45	
1,3-Dichloropropane	ug/kg	<11.0	50.0	07/24/20 10:45	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	07/24/20 10:45	
2,2-Dichloropropane	ug/kg	<15.7	52.0	07/24/20 10:45	
2-Chlorotoluene	ug/kg	<19.3	64.0	07/24/20 10:45	
4-Chlorotoluene	ug/kg	<19.3	64.0	07/24/20 10:45	
Benzene	ug/kg	<12.5	42.0	07/24/20 10:45	
Bromobenzene	ug/kg	<18.5	62.0	07/24/20 10:45	
Bromochloromethane	ug/kg	<20.9	70.0	07/24/20 10:45	
Bromodichloromethane	ug/kg	<10.0	50.0	07/24/20 10:45	
Bromoform	ug/kg	<21.6	72.0	07/24/20 10:45	
Bromomethane	ug/kg	<63.8	250	07/24/20 10:45	
Carbon tetrachloride	ug/kg	<7.5	50.0	07/24/20 10:45	
Chlorobenzene	ug/kg	<16.8	56.0	07/24/20 10:45	
Chloroethane	ug/kg	<46.4	250	07/24/20 10:45	
Chloroform	ug/kg	<47.5	250	07/24/20 10:45	
Chloromethane	ug/kg	<24.0	80.0	07/24/20 10:45	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	07/24/20 10:45	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	07/24/20 10:45	
Dibromochloromethane	ug/kg	<229	763	07/24/20 10:45	
Dibromomethane	ug/kg	<17.7	59.0	07/24/20 10:45	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	07/24/20 10:45	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

METHOD BLANK: 2087692 Matrix: Solid  
Associated Lab Samples: 40211571001, 40211571002, 40211571003, 40211571004, 40211571008, 40211571009, 40211571010, 40211571011, 40211571014, 40211571015, 40211571016, 40211571017, 40211571018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<14.0	50.0	07/24/20 10:45	
Ethylbenzene	ug/kg	<14.5	50.0	07/24/20 10:45	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	07/24/20 10:45	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	07/24/20 10:45	
m&p-Xylene	ug/kg	<32.4	108	07/24/20 10:45	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	07/24/20 10:45	
Methylene Chloride	ug/kg	<26.3	88.0	07/24/20 10:45	
n-Butylbenzene	ug/kg	<30.0	100	07/24/20 10:45	
n-Propylbenzene	ug/kg	<17.8	59.0	07/24/20 10:45	
Naphthalene	ug/kg	<27.3	91.0	07/24/20 10:45	
o-Xylene	ug/kg	<18.1	60.0	07/24/20 10:45	
p-Isopropyltoluene	ug/kg	<21.7	72.0	07/24/20 10:45	
sec-Butylbenzene	ug/kg	<21.5	72.0	07/24/20 10:45	
Styrene	ug/kg	<12.3	50.0	07/24/20 10:45	
tert-Butylbenzene	ug/kg	<18.7	62.0	07/24/20 10:45	
Tetrachloroethene	ug/kg	<38.7	129	07/24/20 10:45	
Toluene	ug/kg	<13.1	50.0	07/24/20 10:45	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	07/24/20 10:45	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	07/24/20 10:45	
Trichloroethene	ug/kg	<12.8	50.0	07/24/20 10:45	
Trichlorofluoromethane	ug/kg	<19.6	65.0	07/24/20 10:45	
Vinyl chloride	ug/kg	<14.5	50.0	07/24/20 10:45	
4-Bromofluorobenzene (S)	%	105	52-137	07/24/20 10:45	
Dibromofluoromethane (S)	%	102	58-145	07/24/20 10:45	
Toluene-d8 (S)	%	106	56-140	07/24/20 10:45	

LABORATORY CONTROL SAMPLE: 2087693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2660	106	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3210	128	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2710	108	70-130	
1,1-Dichloroethane	ug/kg	2500	2850	114	69-143	
1,1-Dichloroethene	ug/kg	2500	2590	104	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2940	117	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	3240	130	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2730	109	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2850	114	70-130	
1,2-Dichloroethane	ug/kg	2500	2680	107	70-130	
1,2-Dichloropropane	ug/kg	2500	2890	116	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2790	112	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2840	114	70-130	
Benzene	ug/kg	2500	2800	112	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

LABORATORY CONTROL SAMPLE: 2087693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/kg	2500	2690	108	70-130	
Bromoform	ug/kg	2500	2400	96	67-130	
Bromomethane	ug/kg	2500	1660	66	45-134	
Carbon tetrachloride	ug/kg	2500	2640	106	70-130	
Chlorobenzene	ug/kg	2500	2500	100	70-130	
Chloroethane	ug/kg	2500	1580	63	58-143	
Chloroform	ug/kg	2500	2640	106	76-122	
Chloromethane	ug/kg	2500	2660	106	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2670	107	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2600	104	70-130	
Dibromochloromethane	ug/kg	2500	2720	109	70-130	
Dichlorodifluoromethane	ug/kg	2500	1830	73	26-99	
Ethylbenzene	ug/kg	2500	2710	109	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2420	97	70-130	
m&p-Xylene	ug/kg	5000	5340	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2840	114	70-130	
Methylene Chloride	ug/kg	2500	2650	106	70-130	
o-Xylene	ug/kg	2500	2750	110	70-130	
Styrene	ug/kg	2500	2470	99	70-130	
Tetrachloroethene	ug/kg	2500	2400	96	70-130	
Toluene	ug/kg	2500	2870	115	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2730	109	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2600	104	70-130	
Trichloroethene	ug/kg	2500	2620	105	70-130	
Trichlorofluoromethane	ug/kg	2500	2150	86	70-128	
Vinyl chloride	ug/kg	2500	2930	117	53-110	L1
4-Bromofluorobenzene (S)	%			108	52-137	
Dibromofluoromethane (S)	%			103	58-145	
Toluene-d8 (S)	%			104	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087712 2087713

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211571015 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1440	1440	1330	1240	93	87	66-130	7	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1440	1440	1790	1750	125	122	70-133	2	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1440	1440	1540	1450	107	101	70-130	6	20		
1,1-Dichloroethane	ug/kg	<25.0	1440	1440	1560	1390	109	97	69-143	11	20		
1,1-Dichloroethene	ug/kg	<25.0	1440	1440	1170	1080	82	75	58-120	8	20		
1,2,4-Trichlorobenzene	ug/kg	<41.7	1440	1440	1870	1730	130	120	60-130	8	20		
1,2-Dibromo-3-chloropropane	ug/kg	<237	1440	1440	1830	1750	127	122	59-136	4	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1440	1440	1530	1450	107	101	70-130	5	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1440	1440	1610	1540	112	107	70-130	4	20		
1,2-Dichloroethane	ug/kg	363	1440	1440	1880	1760	106	97	70-136	7	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

Parameter	Units	2087712		2087713		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211571015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloropropane	ug/kg	<25.0	1440	1440	1600	1500	111	104	78-128	6	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1440	1440	1550	1500	108	104	70-130	4	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1440	1440	1640	1480	115	103	70-130	10	20		
Benzene	ug/kg	<25.0	1440	1440	1500	1400	104	97	70-130	7	20		
Bromodichloromethane	ug/kg	<25.0	1440	1440	1450	1400	101	98	70-130	3	20		
Bromoform	ug/kg	<25.0	1440	1440	1400	1370	97	96	63-130	2	20		
Bromomethane	ug/kg	<63.8	1440	1440	699	669	49	47	33-146	4	20		
Carbon tetrachloride	ug/kg	<25.0	1440	1440	1310	1210	91	84	65-130	7	20		
Chlorobenzene	ug/kg	<25.0	1440	1440	1410	1340	98	93	70-130	5	20		
Chloroethane	ug/kg	<46.4	1440	1440	672	641	47	45	46-156	5	20	M1	
Chloroform	ug/kg	<47.5	1440	1440	1480	1370	103	95	75-130	8	20		
Chloromethane	ug/kg	<25.0	1440	1440	845	800	59	56	20-139	5	20		
cis-1,2-Dichloroethene	ug/kg	143	1440	1440	1610	1490	102	94	69-130	8	20		
cis-1,3-Dichloropropene	ug/kg	<42.3	1440	1440	1520	1440	106	100	70-130	6	20		
Dibromochloromethane	ug/kg	<229	1440	1440	1480	1420	103	99	70-130	4	20		
Dichlorodifluoromethane	ug/kg	<25.0	1440	1440	294	284	21	20	10-99	3	22		
Ethylbenzene	ug/kg	<25.0	1440	1440	1450	1340	101	94	80-120	7	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1440	1440	1320	1250	92	87	70-130	6	20		
m&p-Xylene	ug/kg	<50.0	2870	2870	2920	2670	102	93	70-130	9	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1440	1440	1570	1470	110	102	70-130	7	20		
Methylene Chloride	ug/kg	<26.3	1440	1440	1440	1360	100	95	70-136	6	20		
o-Xylene	ug/kg	<25.0	1440	1440	1480	1400	103	97	70-130	6	20		
Styrene	ug/kg	<25.0	1440	1440	1380	1320	96	92	70-130	4	20		
Tetrachloroethene	ug/kg	<38.7	1440	1440	1260	1190	88	83	68-130	6	20		
Toluene	ug/kg	<25.0	1440	1440	1590	1470	111	103	80-120	7	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1440	1440	1400	1280	98	89	70-130	9	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1440	1440	1540	1420	107	99	70-130	8	20		
Trichloroethene	ug/kg	479	1440	1440	1910	1830	99	94	70-130	4	20		
Trichlorofluoromethane	ug/kg	<25.0	1440	1440	914	832	64	58	53-128	9	20		
Vinyl chloride	ug/kg	<25.0	1440	1440	1040	949	73	66	32-118	9	20		
4-Bromofluorobenzene (S)	%						110	110	52-137				
Dibromofluoromethane (S)	%						108	106	58-145				
Toluene-d8 (S)	%						112	109	56-140				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

QC Batch: 361128 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211571019, 40211571020, 40211571021

METHOD BLANK: 2087694 Matrix: Solid  
Associated Lab Samples: 40211571019, 40211571020, 40211571021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	07/24/20 09:30	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	07/24/20 09:30	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	07/24/20 09:30	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	07/24/20 09:30	
1,1-Dichloroethane	ug/kg	<13.5	50.0	07/24/20 09:30	
1,1-Dichloroethene	ug/kg	<11.8	50.0	07/24/20 09:30	
1,1-Dichloropropene	ug/kg	<10.7	50.0	07/24/20 09:30	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	07/24/20 09:30	
1,2,3-Trichloropropane	ug/kg	<37.4	125	07/24/20 09:30	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	07/24/20 09:30	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	07/24/20 09:30	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	07/24/20 09:30	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	07/24/20 09:30	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	07/24/20 09:30	
1,2-Dichloroethane	ug/kg	<13.8	50.0	07/24/20 09:30	
1,2-Dichloropropane	ug/kg	<13.5	50.0	07/24/20 09:30	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	07/24/20 09:30	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	07/24/20 09:30	
1,3-Dichloropropane	ug/kg	<11.0	50.0	07/24/20 09:30	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	07/24/20 09:30	
2,2-Dichloropropane	ug/kg	<15.7	52.0	07/24/20 09:30	
2-Chlorotoluene	ug/kg	<19.3	64.0	07/24/20 09:30	
4-Chlorotoluene	ug/kg	<19.3	64.0	07/24/20 09:30	
Benzene	ug/kg	<12.5	42.0	07/24/20 09:30	
Bromobenzene	ug/kg	<18.5	62.0	07/24/20 09:30	
Bromochloromethane	ug/kg	<20.9	70.0	07/24/20 09:30	
Bromodichloromethane	ug/kg	<10.0	50.0	07/24/20 09:30	
Bromoform	ug/kg	<21.6	72.0	07/24/20 09:30	
Bromomethane	ug/kg	<63.8	250	07/24/20 09:30	
Carbon tetrachloride	ug/kg	<7.5	50.0	07/24/20 09:30	
Chlorobenzene	ug/kg	<16.8	56.0	07/24/20 09:30	
Chloroethane	ug/kg	<46.4	250	07/24/20 09:30	
Chloroform	ug/kg	<47.5	250	07/24/20 09:30	
Chloromethane	ug/kg	<24.0	80.0	07/24/20 09:30	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	07/24/20 09:30	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	07/24/20 09:30	
Dibromochloromethane	ug/kg	<229	763	07/24/20 09:30	
Dibromomethane	ug/kg	<17.7	59.0	07/24/20 09:30	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	07/24/20 09:30	
Diisopropyl ether	ug/kg	<14.0	50.0	07/24/20 09:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

METHOD BLANK: 2087694 Matrix: Solid  
Associated Lab Samples: 40211571019, 40211571020, 40211571021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	07/24/20 09:30	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	07/24/20 09:30	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	07/24/20 09:30	
m&p-Xylene	ug/kg	<32.4	108	07/24/20 09:30	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	07/24/20 09:30	
Methylene Chloride	ug/kg	<26.3	88.0	07/24/20 09:30	
n-Butylbenzene	ug/kg	<30.0	100	07/24/20 09:30	
n-Propylbenzene	ug/kg	<17.8	59.0	07/24/20 09:30	
Naphthalene	ug/kg	<27.3	91.0	07/24/20 09:30	
o-Xylene	ug/kg	<18.1	60.0	07/24/20 09:30	
p-Isopropyltoluene	ug/kg	<21.7	72.0	07/24/20 09:30	
sec-Butylbenzene	ug/kg	<21.5	72.0	07/24/20 09:30	
Styrene	ug/kg	<12.3	50.0	07/24/20 09:30	
tert-Butylbenzene	ug/kg	<18.7	62.0	07/24/20 09:30	
Tetrachloroethene	ug/kg	<38.7	129	07/24/20 09:30	
Toluene	ug/kg	<13.1	50.0	07/24/20 09:30	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	07/24/20 09:30	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	07/24/20 09:30	
Trichloroethene	ug/kg	<12.8	50.0	07/24/20 09:30	
Trichlorofluoromethane	ug/kg	<19.6	65.0	07/24/20 09:30	
Vinyl chloride	ug/kg	<14.5	50.0	07/24/20 09:30	
4-Bromofluorobenzene (S)	%	86	52-137	07/24/20 09:30	
Dibromofluoromethane (S)	%	117	58-145	07/24/20 09:30	
Toluene-d8 (S)	%	98	56-140	07/24/20 09:30	

LABORATORY CONTROL SAMPLE: 2087695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2780	111	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2780	111	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2410	96	70-130	
1,1-Dichloroethane	ug/kg	2500	2670	107	69-143	
1,1-Dichloroethene	ug/kg	2500	2270	91	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2340	94	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2830	113	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2450	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2430	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2610	104	70-130	
1,2-Dichloropropane	ug/kg	2500	2470	99	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2280	91	70-130	
Benzene	ug/kg	2500	2320	93	70-130	
Bromodichloromethane	ug/kg	2500	2470	99	70-130	
Bromoform	ug/kg	2500	2300	92	67-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

LABORATORY CONTROL SAMPLE: 2087695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2380	95	45-134	
Carbon tetrachloride	ug/kg	2500	2630	105	70-130	
Chlorobenzene	ug/kg	2500	2350	94	70-130	
Chloroethane	ug/kg	2500	2550	102	58-143	
Chloroform	ug/kg	2500	2640	106	76-122	
Chloromethane	ug/kg	2500	1870	75	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2600	104	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2280	91	70-130	
Dibromochloromethane	ug/kg	2500	2210	88	70-130	
Dichlorodifluoromethane	ug/kg	2500	1450	58	26-99	
Ethylbenzene	ug/kg	2500	2400	96	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2350	94	70-130	
m&p-Xylene	ug/kg	5000	4740	95	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2470	99	70-130	
Methylene Chloride	ug/kg	2500	2150	86	70-130	
o-Xylene	ug/kg	2500	2340	93	70-130	
Styrene	ug/kg	2500	2390	96	70-130	
Tetrachloroethene	ug/kg	2500	2290	92	70-130	
Toluene	ug/kg	2500	2370	95	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2890	115	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2280	91	70-130	
Trichloroethene	ug/kg	2500	2420	97	70-130	
Trichlorofluoromethane	ug/kg	2500	2450	98	70-128	
Vinyl chloride	ug/kg	2500	2140	86	53-110	
4-Bromofluorobenzene (S)	%			93	52-137	
Dibromofluoromethane (S)	%			104	58-145	
Toluene-d8 (S)	%			91	56-140	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

QC Batch: 361046 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211571005, 40211571006, 40211571007, 40211571012, 40211571013, 40211571022, 40211571023, 40211571024

METHOD BLANK: 2087247 Matrix: Water  
Associated Lab Samples: 40211571005, 40211571006, 40211571007, 40211571012, 40211571013, 40211571022, 40211571023, 40211571024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/23/20 11:39	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/23/20 11:39	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/23/20 11:39	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/23/20 11:39	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/23/20 11:39	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/23/20 11:39	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/20 11:39	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/23/20 11:39	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/23/20 11:39	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/23/20 11:39	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/20 11:39	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/20 11:39	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/20 11:39	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/20 11:39	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/23/20 11:39	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/23/20 11:39	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/20 11:39	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/20 11:39	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/20 11:39	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/20 11:39	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/20 11:39	
2-Chlorotoluene	ug/L	<0.93	5.0	07/23/20 11:39	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/20 11:39	
Benzene	ug/L	<0.25	1.0	07/23/20 11:39	
Bromobenzene	ug/L	<0.24	1.0	07/23/20 11:39	
Bromochloromethane	ug/L	<0.36	5.0	07/23/20 11:39	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/20 11:39	
Bromoform	ug/L	<4.0	13.2	07/23/20 11:39	
Bromomethane	ug/L	<0.97	5.0	07/23/20 11:39	
Carbon tetrachloride	ug/L	<1.1	3.6	07/23/20 11:39	
Chlorobenzene	ug/L	<0.71	2.4	07/23/20 11:39	
Chloroethane	ug/L	<1.3	5.0	07/23/20 11:39	
Chloroform	ug/L	<1.3	5.0	07/23/20 11:39	
Chloromethane	ug/L	<2.2	7.3	07/23/20 11:39	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/23/20 11:39	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/20 11:39	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/20 11:39	
Dibromomethane	ug/L	<0.94	3.1	07/23/20 11:39	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/23/20 11:39	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

METHOD BLANK: 2087247 Matrix: Water  
Associated Lab Samples: 40211571005, 40211571006, 40211571007, 40211571012, 40211571013, 40211571022, 40211571023, 40211571024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.9	6.3	07/23/20 11:39	
Ethylbenzene	ug/L	<0.32	1.1	07/23/20 11:39	
Hexachloro-1,3-butadiene	ug/L	2.0J	4.9	07/23/20 11:39	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/23/20 11:39	
m&p-Xylene	ug/L	<0.47	2.0	07/23/20 11:39	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/20 11:39	
Methylene Chloride	ug/L	<0.58	5.0	07/23/20 11:39	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/20 11:39	
n-Propylbenzene	ug/L	<0.81	5.0	07/23/20 11:39	
Naphthalene	ug/L	<1.2	5.0	07/23/20 11:39	
o-Xylene	ug/L	<0.26	1.0	07/23/20 11:39	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/20 11:39	
sec-Butylbenzene	ug/L	<0.85	5.0	07/23/20 11:39	
Styrene	ug/L	<3.0	10.0	07/23/20 11:39	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/20 11:39	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/20 11:39	
Toluene	ug/L	<0.27	0.90	07/23/20 11:39	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/23/20 11:39	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/20 11:39	
Trichloroethene	ug/L	<0.26	1.0	07/23/20 11:39	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/23/20 11:39	
Vinyl chloride	ug/L	<0.17	1.0	07/23/20 11:39	
4-Bromofluorobenzene (S)	%	97	70-130	07/23/20 11:39	
Dibromofluoromethane (S)	%	104	70-130	07/23/20 11:39	
Toluene-d8 (S)	%	101	70-130	07/23/20 11:39	

LABORATORY CONTROL SAMPLE: 2087248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.4	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.0	94	64-131	
1,1,2-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethane	ug/L	50	52.7	105	69-163	
1,1-Dichloroethene	ug/L	50	54.2	108	77-123	
1,2,4-Trichlorobenzene	ug/L	50	47.9	96	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.7	85	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	51.9	104	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	52.5	105	78-142	
1,2-Dichloropropane	ug/L	50	53.7	107	86-134	
1,3-Dichlorobenzene	ug/L	50	49.6	99	70-130	
1,4-Dichlorobenzene	ug/L	50	49.5	99	70-130	
Benzene	ug/L	50	56.3	113	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

LABORATORY CONTROL SAMPLE: 2087248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	53.9	108	70-130	
Bromoform	ug/L	50	43.7	87	70-130	
Bromomethane	ug/L	50	33.8	68	39-129	
Carbon tetrachloride	ug/L	50	55.7	111	70-132	
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	50.0	100	66-140	
Chloroform	ug/L	50	55.5	111	75-132	
Chloromethane	ug/L	50	39.8	80	32-143	
cis-1,2-Dichloroethene	ug/L	50	55.9	112	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.3	97	70-130	
Dibromochloromethane	ug/L	50	46.9	94	70-130	
Dichlorodifluoromethane	ug/L	50	29.4	59	10-141	
Ethylbenzene	ug/L	50	53.6	107	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.1	106	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	46.9	94	61-129	
Methylene Chloride	ug/L	50	51.8	104	70-130	
o-Xylene	ug/L	50	52.5	105	70-130	
Styrene	ug/L	50	52.0	104	70-130	
Tetrachloroethene	ug/L	50	51.7	103	70-130	
Toluene	ug/L	50	52.6	105	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.1	88	69-130	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	54.9	110	75-145	
Vinyl chloride	ug/L	50	49.3	99	51-140	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			108	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087249 2087250

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211571012	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	50	50	60.7	59.4	121	119	70-130	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	52.3	51.0	105	102	64-137	2	20		
1,1,2-Trichloroethane	ug/L	<0.55	50	50	54.3	52.4	109	105	70-137	4	20		
1,1-Dichloroethane	ug/L	<0.27	50	50	55.0	53.7	109	107	69-163	2	20		
1,1-Dichloroethene	ug/L	<0.24	50	50	52.0	50.6	104	101	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	44.6	44.1	89	88	68-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	48.5	48.7	97	97	60-130	0	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	55.5	54.3	111	109	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.4	48.6	99	97	70-130	2	20		
1,2-Dichloroethane	ug/L	0.43J	50	50	55.3	56.0	110	111	78-145	1	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

**QUALITY CONTROL DATA**

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087249												2087250	
Parameter	Units	40211571012 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		RPD	
1,2-Dichloropropane	ug/L	<0.28	50	50	56.6	53.5	113	107	86-135	6	20		
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.6	48.2	99	96	70-130	3	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.1	48.2	98	96	70-130	2	20		
Benzene	ug/L	1.4	50	50	59.5	58.3	116	114	70-136	2	20		
Bromodichloromethane	ug/L	<0.36	50	50	57.0	54.8	114	110	70-130	4	20		
Bromoform	ug/L	<4.0	50	50	46.2	44.3	92	89	69-130	4	20		
Bromomethane	ug/L	<0.97	50	50	31.4	37.3	63	75	39-138	17	20		
Carbon tetrachloride	ug/L	<1.1	50	50	56.2	54.6	112	109	70-142	3	20		
Chlorobenzene	ug/L	<0.71	50	50	53.0	51.7	106	103	70-130	3	20		
Chloroethane	ug/L	4.6J	50	50	51.9	53.3	95	98	61-149	3	20		
Chloroform	ug/L	<1.3	50	50	58.2	56.6	116	113	75-133	3	20		
Chloromethane	ug/L	<2.2	50	50	41.5	41.6	81	81	32-143	0	20		
cis-1,2-Dichloroethene	ug/L	0.51J	50	50	58.8	57.3	117	114	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	50.8	49.2	102	98	70-130	3	20		
Dibromochloromethane	ug/L	<2.6	50	50	49.0	47.2	98	94	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	24.8	24.5	50	49	10-141	1	20		
Ethylbenzene	ug/L	<0.32	50	50	54.3	53.2	108	106	80-120	2	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	53.2	51.6	106	103	70-130	3	20		
m&p-Xylene	ug/L	<0.47	100	100	107	104	107	104	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	50.7	49.6	101	99	61-136	2	20		
Methylene Chloride	ug/L	<0.58	50	50	54.3	54.1	108	108	68-137	0	20		
o-Xylene	ug/L	<0.26	50	50	54.0	52.0	108	104	70-130	4	20		
Styrene	ug/L	<3.0	50	50	43.7	41.1	87	82	70-130	6	20		
Tetrachloroethene	ug/L	<0.33	50	50	52.7	50.2	105	100	70-130	5	20		
Toluene	ug/L	0.56J	50	50	54.8	53.1	108	105	80-120	3	20		
trans-1,2-Dichloroethene	ug/L	0.49J	50	50	57.4	55.6	114	110	70-130	3	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	46.8	45.8	94	92	69-130	2	20		
Trichloroethene	ug/L	<0.26	50	50	56.4	54.4	113	109	70-130	4	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	53.8	52.2	108	104	74-157	3	20		
Vinyl chloride	ug/L	2.4	50	50	49.8	50.1	95	95	51-140	1	20		
4-Bromofluorobenzene (S)	%						99	100	70-130				
Dibromofluoromethane (S)	%						107	108	70-130				
Toluene-d8 (S)	%						99	100	70-130				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087264												2087265	
Parameter	Units	40211359012 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		RPD	
1,1,1-Trichloroethane	ug/L	<49.0	10000	10000	11600	12100	116	121	70-130	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<55.1	10000	10000	9730	10100	97	101	64-137	4	20		
1,1,2-Trichloroethane	ug/L	<110	10000	10000	10200	10600	102	106	70-137	4	20		
1,1-Dichloroethane	ug/L	<54.5	10000	10000	10400	10800	104	108	69-163	4	20		
1,1-Dichloroethene	ug/L	<49.0	10000	10000	10600	10900	106	109	77-129	3	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2087264												2087265											
Parameter	Units	40211359012		MS	MSD	MS		MSD		% Rec	% Rec	Limits	RPD	Max RPD	Qual								
		Result	Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec														
1,2,4-Trichlorobenzene	ug/L	<190	10000	10000	9750	10300	97	103	68-130	6	20												
1,2-Dibromo-3-chloropropane	ug/L	<353	10000	10000	9160	9580	92	96	60-130	4	20												
1,2-Dibromoethane (EDB)	ug/L	<166	10000	10000	10400	11000	104	110	70-130	6	20												
1,2-Dichlorobenzene	ug/L	<141	10000	10000	9810	10300	98	103	70-130	5	20												
1,2-Dichloroethane	ug/L	<56.0	10000	10000	11600	12000	116	120	78-145	3	20												
1,2-Dichloropropane	ug/L	<56.6	10000	10000	10700	11000	107	110	86-135	3	20												
1,3-Dichlorobenzene	ug/L	<126	10000	10000	9890	10400	99	104	70-130	5	20												
1,4-Dichlorobenzene	ug/L	<189	10000	10000	9810	10200	98	102	70-130	4	20												
Benzene	ug/L	48000	10000	10000	52200	53300	42	53	70-136	2	20	M1											
Bromodichloromethane	ug/L	<72.7	10000	10000	10900	11300	109	113	70-130	3	20												
Bromoform	ug/L	<794	10000	10000	8890	9180	89	92	69-130	3	20												
Bromomethane	ug/L	<194	10000	10000	6730	7740	67	77	39-138	14	20												
Carbon tetrachloride	ug/L	<215	10000	10000	11000	11500	110	115	70-142	4	20												
Chlorobenzene	ug/L	<142	10000	10000	10100	10500	101	105	70-130	4	20												
Chloroethane	ug/L	<268	10000	10000	9730	10800	97	108	61-149	10	20												
Chloroform	ug/L	<255	10000	10000	11000	11400	110	114	75-133	3	20												
Chloromethane	ug/L	<438	10000	10000	7880	8160	79	82	32-143	3	20												
cis-1,2-Dichloroethene	ug/L	<54.2	10000	10000	11000	11400	110	114	70-130	4	20												
cis-1,3-Dichloropropene	ug/L	<726	10000	10000	9660	10100	97	101	70-130	4	20												
Dibromochloromethane	ug/L	<520	10000	10000	9370	9780	94	98	70-130	4	20												
Dichlorodifluoromethane	ug/L	<99.9	10000	10000	5660	5800	57	58	10-141	3	20												
Ethylbenzene	ug/L	1750	10000	10000	12100	12600	104	108	80-120	3	20												
Isopropylbenzene (Cumene)	ug/L	<337	10000	10000	10300	10700	103	107	70-130	4	20												
m&p-Xylene	ug/L	5270	20000	20000	25700	26400	102	106	70-130	3	20												
Methyl-tert-butyl ether	ug/L	<249	10000	10000	9540	9740	95	97	61-136	2	20												
Methylene Chloride	ug/L	<116	10000	10000	10300	10700	103	107	68-137	4	20												
o-Xylene	ug/L	1540	10000	10000	11900	12300	103	107	70-130	3	20												
Styrene	ug/L	<602	10000	10000	10600	10900	102	106	70-130	3	20												
Tetrachloroethene	ug/L	<65.3	10000	10000	10100	10300	101	103	70-130	2	20												
Toluene	ug/L	16700	10000	10000	25000	25500	84	88	80-120	2	20												
trans-1,2-Dichloroethene	ug/L	<92.8	10000	10000	10800	11200	108	112	70-130	4	20												
trans-1,3-Dichloropropene	ug/L	<874	10000	10000	8830	9150	88	91	69-130	3	20												
Trichloroethene	ug/L	<51.0	10000	10000	10800	11200	108	112	70-130	4	20												
Trichlorofluoromethane	ug/L	<43.0	10000	10000	10800	11100	108	111	74-157	3	20												
Vinyl chloride	ug/L	<34.9	10000	10000	9470	9800	95	98	51-140	3	20												
4-Bromofluorobenzene (S)	%						99	99	70-130														
Dibromofluoromethane (S)	%						108	108	70-130														
Toluene-d8 (S)	%						99	100	70-130														

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

QC Batch: 361074

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211571010

SAMPLE DUPLICATE: 2087452

Parameter	Units	40211571010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.8	24.3	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

**QUALITY CONTROL DATA**

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

QC Batch: 361085

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211571004

SAMPLE DUPLICATE: 2087487

Parameter	Units	40211571004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.0	26.5	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

QC Batch: 361089

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211571003

SAMPLE DUPLICATE: 2087503

Parameter	Units	40211571003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.7	25.8	7	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211571

---

QC Batch:	361518	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40211571001, 40211571002, 40211571008, 40211571009, 40211571011, 40211571014, 40211571015, 40211571016, 40211571017, 40211571018, 40211571019, 40211571020, 40211571021

---

SAMPLE DUPLICATE: 2089933

Parameter	Units	40211571011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.6	26.3	5	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

W Non-detect results are reported on a wet weight basis.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211571

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40211571001	TS-GP-21(3-4)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571002	TS-GP-21(6-7)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571003	TS-GP-21(11-12)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571004	TS-GP-21(13-14)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571008	TS-GP-22(1-2)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571009	TS-GP-22(6-7)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571010	TS-GP-22(11-12)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571011	TS-GP-22(13-14)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571014	TS-GP-23(3-4)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571015	TS-GP-23(6-7)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571016	TS-GP-23(11-12)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571017	TS-GP-23(13-14)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571018	TS-GP-24(1-2)-20200722	EPA 5035/5030B	361127	EPA 8260	361135
40211571019	TS-GP-24(6-7)-20200722	EPA 5035/5030B	361128	EPA 8260	361137
40211571020	TS-GP-24(11-12)-20200722	EPA 5035/5030B	361128	EPA 8260	361137
40211571021	TS-GP-24(13-14)-20200722	EPA 5035/5030B	361128	EPA 8260	361137
40211571005	TS-VAS-25-(15-18)-20200722	EPA 8260	361046		
40211571006	TS-VAS-25-(20-23)-20200722	EPA 8260	361046		
40211571007	TS-VAS-25-(30-33)-20200722	EPA 8260	361046		
40211571012	TS-VAS-26(21-25)-20200722	EPA 8260	361046		
40211571013	TS-VAS-26(31-35)-20200722	EPA 8260	361046		
40211571022	TS-VAS-27(20-24)-20200722	EPA 8260	361046		
40211571023	TS-VAS-27(31-35)-20200722	EPA 8260	361046		
40211571024	DUP-1-20200722	EPA 8260	361046		
40211571001	TS-GP-21(3-4)-20200722	ASTM D2974-87	361518		
40211571002	TS-GP-21(6-7)-20200722	ASTM D2974-87	361518		
40211571003	TS-GP-21(11-12)-20200722	ASTM D2974-87	361089		
40211571004	TS-GP-21(13-14)-20200722	ASTM D2974-87	361085		
40211571008	TS-GP-22(1-2)-20200722	ASTM D2974-87	361518		
40211571009	TS-GP-22(6-7)-20200722	ASTM D2974-87	361518		
40211571010	TS-GP-22(11-12)-20200722	ASTM D2974-87	361074		
40211571011	TS-GP-22(13-14)-20200722	ASTM D2974-87	361518		
40211571014	TS-GP-23(3-4)-20200722	ASTM D2974-87	361518		
40211571015	TS-GP-23(6-7)-20200722	ASTM D2974-87	361518		
40211571016	TS-GP-23(11-12)-20200722	ASTM D2974-87	361518		
40211571017	TS-GP-23(13-14)-20200722	ASTM D2974-87	361518		
40211571018	TS-GP-24(1-2)-20200722	ASTM D2974-87	361518		
40211571019	TS-GP-24(6-7)-20200722	ASTM D2974-87	361518		
40211571020	TS-GP-24(11-12)-20200722	ASTM D2974-87	361518		
40211571021	TS-GP-24(13-14)-20200722	ASTM D2974-87	361518		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **Millville, NJ**  
 Project Contact: **Paul Streckenberg**  
 Phone: **616-283-7155**  
 Project Number: **0441161**  
 Project Name: **910 Meyer LLC**  
 Project State: **WI**  
 Sampled By (Print): **Chris Bunn**  
 Sampled By (Sign): *Chris Bunn*  
 PO #: **0441161**  
 Regulatory Program:

**Matrix Codes**  
 A = Air  
 B = Biota  
 C = Charcoal  
 O = Oil  
 S = Soil  
 SI = Sludge  
 W = Water  
 DW = Drinking Water  
 GW = Ground Water  
 SW = Surface Water  
 WW = Waste Water  
 WP = Wipe

**Matrix Codes**  
 FILTERED? (YES/NO)  
 PRESERVATION (CODE)\*



# CHAIN OF CUSTODY

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

40211571

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	ANALYSES REQUESTED	V/N	PICK LETTER	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME	LAB COMMENTS (Lab Use Only)	PROFILE #
001	TS-GP-21(34)-20200722	7-22	0900	S	VOCs			7-22/1616	Paul Streckenberg	0830	Paul Streckenberg	0830		
002	TS-GP-21(6-7)-20200722	7-22	0905	S	Rush turn - Results by COB 7-23									
003	TS-GP-21(11-12)-20200722	7-22	0910	S	Rush turn - 4 day TAT									
004	TS-GP-21(13-14)-20200722	7-22	0915	S	Standard TAT									
005	TS-VAS-25(15-16)-20200722	7-22	1025	GW	MS/MSP									
006	TS-VAS-25(20-23)-20200722	7-22	1045	GW										
007	TS-VAS-25(30-35)-20200722	7-22	1115	GW										
008	TS-GP-22(1-2)-20200722	7-22	1145	S										
009	TS-GP-22(6-7)-20200722	7-22	1150	S										
010	TS-GP-22(11-12)-20200722	7-22	1155	S										
011	TS-GP-22(13-14)-20200722	7-22	1200	S										
012	TS-VAS-26(21-25)-20200722	7-22	1250	GW										
013	TS-VAS-26(31-35)-20200722	7-22	1310	GW										

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed: **Var's 15 - see analysis**  
 Transmittal Prelim Rush Results by (complete what you want):  
 Email #1: **Paul Streckenberg@erm.com**  
 Email #2: **Chris Bunn@erm.com**  
 Telephone: **616-283-7155**  
 Fax: **616-283-7155**

Relinquished By: *Chris Bunn*  
 Date/Time: **7-22/1616**  
 Relinquished By: *Paul Streckenberg*  
 Date/Time: **7/23/2008 0830**

Received By: *Paul Streckenberg*  
 Date/Time: **7/23/2008 0830**  
 Received By: *Chris Bunn*  
 Date/Time: **7/23/2008 0830**

Receipt Temp = **10°C**  
 Sample Receipt pH **OK / Adjusted**  
 Cooler Custody Seal **Present / Not Present**  
 Intact / Not Intact



Client Name: ERM

ERM

Sample Preservation Receipt Form

Project # 4021571

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper: \_\_\_\_\_ Lab Std #ID of preservation (if pH adjusted): \_\_\_\_\_

Initial when completed: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

Pace Lab #	Glass			Plastic			Vials			Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	BG3U	BP1U	BP3U	BP3B	VG9A	DG9T	VG9U	JG9U	WG9U	WPFU	SP5T	ZPLC	GN							
001																					2.5/5/10	
002																					2.5/5/10	
003																					2.5/5/10	
004																					2.5/5/10	
005																					2.5/5/10	
006																					2.5/5/10	
007																					2.5/5/10	
008																					2.5/5/10	
009																					2.5/5/10	
010																					2.5/5/10	
011																					2.5/5/10	
012																					2.5/5/10	
013																					2.5/5/10	
014																					2.5/5/10	
015																					2.5/5/10	
016																					2.5/5/10	
017																					2.5/5/10	
018																					2.5/5/10	
019																					2.5/5/10	
020																					2.5/5/10	

Exceptions to preservation check (VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_) Headspace in VOA Vials (>6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JG9U	9 oz amber jar unpres
WG9U	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Client Name:


ERM

Sample Preservation Receipt Form

Project #:

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 905  
Green Bay, WI 54302

Pace Lab #	Glass						Plastic					Vials					Jars				General			pH				Volume (mL)							
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *		H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted		
021																																			2.5/5/10
022																																			2.5/5/10
023																																			2.5/5/10
024																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
																																			2.5/5/10
			</																																

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26Mar2020
	Document No.: <b>ENV-FRM-GBAY-0014-Rev.00</b>	Author: Pace Green Bay Quality Office


**Sample Condition Upon Receipt Form (SCUR)**

Client Name: ERM

Courier:  MCS Logistics  Fed Ex  Speedee  UPS  Waltco  
 Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

**WO# : 40211571**



40211571

Tracking #: 174207220

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used SR - N/A    Type of Ice:  Wet  Blue  Dry  None

Cooler Temperature    Uncorr: ROI / Corr: \_\_\_\_\_

Samples on ice, cooling process has begun

Person examining contents:  
 Date: 7/23/20    Initials: SKW

Labeled By Initials: SKW

Temp Blank Present:  yes  no    Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>No Filter, Preserve, Mail, Invoice</u> <u>7/23/20</u>
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:	8. <u>VOA's only.</u> <u>7/23/20</u>	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis    Matrix: <u>W+S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_    If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_    Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Per PM [Signature] VOA - COB 7/23 Due 7/24 By NORA. CW

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample logir

August 05, 2020

David deCourcy-Bower  
ERM, Inc.  
700 West Virginia Street  
Milwaukee, WI 53204

RE: Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

Dear David deCourcy-Bower:

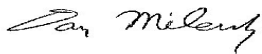
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky  
dan.milewsky@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures

cc: Andrew DeWitt, ERM, Inc.  
Morgan Johnson, ERM, INC.  
Paul Sterkenburg, ERM, INC.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

---

### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## SAMPLE SUMMARY

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40211683001	TS-GP-25(3-4)-20200722	Solid	07/22/20 16:30	07/24/20 10:00
40211683002	TS-GP-25(6-7)-20200722	Solid	07/22/20 16:35	07/24/20 10:00
40211683003	TS-GP-25(11-12)-20200722	Solid	07/22/20 16:40	07/24/20 10:00
40211683004	TS-GP-25(13-14)-20200722	Solid	07/22/20 16:45	07/24/20 10:00
40211683005	TS-GP-26(3-4)-20200722	Solid	07/22/20 17:10	07/24/20 10:00
40211683006	TS-GP-26(6-7)-20200722	Solid	07/22/20 17:15	07/24/20 10:00
40211683007	TS-GP-26(11-12)-20200722	Solid	07/22/20 17:20	07/24/20 10:00
40211683008	TS-GP-26(13-14)-20200722	Solid	07/22/20 17:25	07/24/20 10:00
40211683009	TS-VAS-28(15-19)-20200723	Water	07/23/20 08:50	07/24/20 10:00
40211683010	TS-VAS-28(21-24)-20200723	Water	07/23/20 09:05	07/24/20 10:00
40211683011	TS-VAS-28(27-30)-20200723	Water	07/23/20 09:30	07/24/20 10:00
40211683012	TS-VAS-29(17-20)-20200723	Water	07/23/20 10:20	07/24/20 10:00
40211683013	TS-VAS-29(23-25)-20200723	Water	07/23/20 10:35	07/24/20 10:00
40211683014	TS-VAS-29(27-30)-20200723	Water	07/23/20 10:50	07/24/20 10:00
40211683015	TS-VAS-30(18-22)-20200723	Water	07/23/20 11:45	07/24/20 10:00
40211683016	TS-VAS-30(32-35)-20200723	Water	07/23/20 12:00	07/24/20 10:00
40211683017	TS-VAS-31(20-23)-20200723	Water	07/23/20 13:40	07/24/20 10:00
40211683018	TS-VAS-31(34-36)-20200723	Water	07/23/20 13:55	07/24/20 10:00
40211683019	TS-VAS-32(20-23)-20200723	Water	07/23/20 15:05	07/24/20 10:00
40211683020	TS-VAS-32(31-35)-20200723	Water	07/23/20 15:20	07/24/20 10:00
40211683021	TS-GP-27(7-8)-20200723	Solid	07/23/20 15:50	07/24/20 10:00
40211683022	TS-GP-27(8-9)-20200723	Solid	07/23/20 15:52	07/24/20 10:00
40211683023	TS-GP-27(12-13)-20200723	Solid	07/23/20 15:55	07/24/20 10:00

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40211683001	TS-GP-25(3-4)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683002	TS-GP-25(6-7)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683003	TS-GP-25(11-12)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683004	TS-GP-25(13-14)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683005	TS-GP-26(3-4)-20200722	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683006	TS-GP-26(6-7)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683007	TS-GP-26(11-12)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683008	TS-GP-26(13-14)-20200722	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	K1S	1	PASI-G
40211683009	TS-VAS-28(15-19)-20200723	EPA 8260	HNW	64	PASI-G
40211683010	TS-VAS-28(21-24)-20200723	EPA 8260	HNW	64	PASI-G
40211683011	TS-VAS-28(27-30)-20200723	EPA 8260	HNW	64	PASI-G
40211683012	TS-VAS-29(17-20)-20200723	EPA 8260	HNW	64	PASI-G
40211683013	TS-VAS-29(23-25)-20200723	EPA 8260	HNW	64	PASI-G
40211683014	TS-VAS-29(27-30)-20200723	EPA 8260	HNW	64	PASI-G
40211683015	TS-VAS-30(18-22)-20200723	EPA 8260	HNW	64	PASI-G
40211683016	TS-VAS-30(32-35)-20200723	EPA 8260	HNW	64	PASI-G
40211683017	TS-VAS-31(20-23)-20200723	EPA 8260	HNW	64	PASI-G
40211683018	TS-VAS-31(34-36)-20200723	EPA 8260	HNW	64	PASI-G
40211683019	TS-VAS-32(20-23)-20200723	EPA 8260	LAP	64	PASI-G
40211683020	TS-VAS-32(31-35)-20200723	EPA 8260	LAP	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: TS-GP-25(3-4)-20200722 Lab ID: 40211683001 Collected: 07/22/20 16:30 Received: 07/24/20 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:15	07/31/20 00:30	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:15	07/31/20 00:30	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:15	07/31/20 00:30	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:15	07/31/20 00:30	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 00:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 00:30	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 00:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:15	07/31/20 00:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:15	07/31/20 00:30	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:15	07/31/20 00:30	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:15	07/31/20 00:30	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:15	07/31/20 00:30	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:15	07/31/20 00:30	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:15	07/31/20 00:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:15	07/31/20 00:30	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:15	07/31/20 00:30	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample: TS-GP-25(3-4)-20200722 Lab ID: 40211683001** Collected: 07/22/20 16:30 Received: 07/24/20 10:00 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:15	07/31/20 00:30	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:15	07/31/20 00:30	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:15	07/31/20 00:30	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:15	07/31/20 00:30	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:30	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:30	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 00:30	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:15	07/31/20 00:30	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:15	07/31/20 00:30	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	127	%	58-145		1	07/30/20 08:15	07/31/20 00:30	1868-53-7	
Toluene-d8 (S)	101	%	56-140		1	07/30/20 08:15	07/31/20 00:30	2037-26-5	
4-Bromofluorobenzene (S)	82	%	52-137		1	07/30/20 08:15	07/31/20 00:30	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	26.5	%	0.10	0.10	1		07/27/20 09:30		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-GP-25(6-7)-20200722** Lab ID: **40211683002** Collected: 07/22/20 16:35 Received: 07/24/20 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:15	07/31/20 00:53	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:15	07/31/20 00:53	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:15	07/31/20 00:53	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:15	07/31/20 00:53	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 00:53	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 00:53	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 00:53	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:15	07/31/20 00:53	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:15	07/31/20 00:53	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:15	07/31/20 00:53	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:15	07/31/20 00:53	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:15	07/31/20 00:53	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:15	07/31/20 00:53	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:15	07/31/20 00:53	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:15	07/31/20 00:53	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:15	07/31/20 00:53	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-25(6-7)-20200722    Lab ID: 40211683002    Collected: 07/22/20 16:35    Received: 07/24/20 10:00    Matrix: Solid**

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:15	07/31/20 00:53	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:15	07/31/20 00:53	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:15	07/31/20 00:53	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:15	07/31/20 00:53	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:53	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:53	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:53	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 00:53	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:15	07/31/20 00:53	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:15	07/31/20 00:53	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	117	%	58-145		1	07/30/20 08:15	07/31/20 00:53	1868-53-7	
Toluene-d8 (S)	96	%	56-140		1	07/30/20 08:15	07/31/20 00:53	2037-26-5	
4-Bromofluorobenzene (S)	76	%	52-137		1	07/30/20 08:15	07/31/20 00:53	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>70.5</b>	%	0.10	0.10	1		07/27/20 09:31		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-GP-25(11-12)-20200722** Lab ID: **40211683003** Collected: 07/22/20 16:40 Received: 07/24/20 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:15	07/31/20 01:15	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:15	07/31/20 01:15	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:15	07/31/20 01:15	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:15	07/31/20 01:15	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 01:15	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 01:15	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 01:15	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:15	07/31/20 01:15	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:15	07/31/20 01:15	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:15	07/31/20 01:15	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:15	07/31/20 01:15	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:15	07/31/20 01:15	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:15	07/31/20 01:15	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:15	07/31/20 01:15	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:15	07/31/20 01:15	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:15	07/31/20 01:15	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

Sample: TS-GP-25(11-12)-20200722 Lab ID: 40211683003 Collected: 07/22/20 16:40 Received: 07/24/20 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:15	07/31/20 01:15	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:15	07/31/20 01:15	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:15	07/31/20 01:15	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:15	07/31/20 01:15	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:15	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:15	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:15	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 01:15	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:15	07/31/20 01:15	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:15	07/31/20 01:15	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	134	%	58-145		1	07/30/20 08:15	07/31/20 01:15	1868-53-7	
Toluene-d8 (S)	113	%	56-140		1	07/30/20 08:15	07/31/20 01:15	2037-26-5	
4-Bromofluorobenzene (S)	94	%	52-137		1	07/30/20 08:15	07/31/20 01:15	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	20.9	%	0.10	0.10	1		07/27/20 09:31		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-25(13-14)-20200722 Lab ID: 40211683004** Collected: 07/22/20 16:45 Received: 07/24/20 10:00 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:15	07/31/20 00:07	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:15	07/31/20 00:07	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:15	07/31/20 00:07	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:15	07/31/20 00:07	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 00:07	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 00:07	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 00:07	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:15	07/31/20 00:07	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:15	07/31/20 00:07	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:15	07/31/20 00:07	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:15	07/31/20 00:07	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:15	07/31/20 00:07	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:15	07/31/20 00:07	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:15	07/31/20 00:07	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:15	07/31/20 00:07	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:15	07/31/20 00:07	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-25(13-14)-20200722 Lab ID: 40211683004** Collected: 07/22/20 16:45 Received: 07/24/20 10:00 Matrix: Solid  
*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:15	07/31/20 00:07	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:15	07/31/20 00:07	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:15	07/31/20 00:07	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:15	07/31/20 00:07	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 00:07	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:07	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 00:07	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 00:07	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:15	07/31/20 00:07	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:15	07/31/20 00:07	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	121	%	58-145		1	07/30/20 08:15	07/31/20 00:07	1868-53-7	
Toluene-d8 (S)	102	%	56-140		1	07/30/20 08:15	07/31/20 00:07	2037-26-5	
4-Bromofluorobenzene (S)	88	%	52-137		1	07/30/20 08:15	07/31/20 00:07	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	<b>24.8</b>	%	0.10	0.10	1		07/27/20 09:31		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample: TS-GP-26(3-4)-20200722 Lab ID: 40211683005** Collected: 07/22/20 17:10 Received: 07/24/20 10:00 Matrix: Solid

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	79-34-5	W
1,1,2-Trichloroethane	46.7J	ug/kg	81.2	33.8	1	07/30/20 08:15	07/31/20 01:37	79-00-5	
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:15	07/31/20 01:37	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:15	07/31/20 01:37	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:15	07/31/20 01:37	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:15	07/31/20 01:37	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	95-50-1	W
1,2-Dichloroethane	3960	ug/kg	81.2	33.8	1	07/30/20 08:15	07/31/20 01:37	107-06-2	
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 01:37	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:15	07/31/20 01:37	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 01:37	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:15	07/31/20 01:37	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:15	07/31/20 01:37	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:15	07/31/20 01:37	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:15	07/31/20 01:37	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:15	07/31/20 01:37	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:15	07/31/20 01:37	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-71-8	W
Diisopropyl ether	61.2J	ug/kg	81.2	33.8	1	07/30/20 08:15	07/31/20 01:37	108-20-3	
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:15	07/31/20 01:37	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:15	07/31/20 01:37	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:15	07/31/20 01:37	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-26(3-4)-20200722    Lab ID: 40211683005    Collected: 07/22/20 17:10    Received: 07/24/20 10:00    Matrix: Solid**

**Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.**

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:15	07/31/20 01:37	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:15	07/31/20 01:37	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:15	07/31/20 01:37	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:15	07/31/20 01:37	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:15	07/31/20 01:37	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:37	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:15	07/31/20 01:37	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:15	07/31/20 01:37	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:15	07/31/20 01:37	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:15	07/31/20 01:37	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	122	%	58-145		1	07/30/20 08:15	07/31/20 01:37	1868-53-7	
Toluene-d8 (S)	100	%	56-140		1	07/30/20 08:15	07/31/20 01:37	2037-26-5	
4-Bromofluorobenzene (S)	87	%	52-137		1	07/30/20 08:15	07/31/20 01:37	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	26.1	%	0.10	0.10	1		07/27/20 09:31		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-GP-26(6-7)-20200722** Lab ID: **40211683006** Collected: 07/22/20 17:15 Received: 07/24/20 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:30	07/31/20 08:19	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:30	07/31/20 08:19	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:30	07/31/20 08:19	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:30	07/31/20 08:19	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	95-50-1	W
1,2-Dichloroethane	4080	ug/kg	236	98.2	1	07/30/20 08:30	07/31/20 08:19	107-06-2	
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:30	07/31/20 08:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:30	07/31/20 08:19	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:30	07/31/20 08:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:30	07/31/20 08:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:30	07/31/20 08:19	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:30	07/31/20 08:19	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:30	07/31/20 08:19	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:30	07/31/20 08:19	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:30	07/31/20 08:19	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-71-8	W
Diisopropyl ether	186J	ug/kg	236	98.2	1	07/30/20 08:30	07/31/20 08:19	108-20-3	
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:30	07/31/20 08:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:30	07/31/20 08:19	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:30	07/31/20 08:19	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-26(6-7)-20200722 Lab ID: 40211683006** Collected: 07/22/20 17:15 Received: 07/24/20 10:00 Matrix: Solid  
*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:30	07/31/20 08:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:30	07/31/20 08:19	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:30	07/31/20 08:19	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:30	07/31/20 08:19	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:19	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:19	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:30	07/31/20 08:19	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:30	07/31/20 08:19	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:30	07/31/20 08:19	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	81	%	58-145		1	07/30/20 08:30	07/31/20 08:19	1868-53-7	
Toluene-d8 (S)	75	%	56-140		1	07/30/20 08:30	07/31/20 08:19	2037-26-5	
4-Bromofluorobenzene (S)	69	%	52-137		1	07/30/20 08:30	07/31/20 08:19	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	74.5	%	0.10	0.10	1		07/27/20 09:31		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-GP-26(11-12)-20200722** Lab ID: **40211683007** Collected: 07/22/20 17:20 Received: 07/24/20 10:00 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:30	07/31/20 08:42	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:30	07/31/20 08:42	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:30	07/31/20 08:42	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:30	07/31/20 08:42	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	95-50-1	W
1,2-Dichloroethane	74.7J	ug/kg	75.8	31.6	1	07/30/20 08:30	07/31/20 08:42	107-06-2	
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:30	07/31/20 08:42	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:30	07/31/20 08:42	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:30	07/31/20 08:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:30	07/31/20 08:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:30	07/31/20 08:42	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:30	07/31/20 08:42	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:30	07/31/20 08:42	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:30	07/31/20 08:42	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:30	07/31/20 08:42	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:30	07/31/20 08:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:30	07/31/20 08:42	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:30	07/31/20 08:42	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-26(11-12)-20200722 Lab ID: 40211683007** Collected: 07/22/20 17:20 Received: 07/24/20 10:00 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:30	07/31/20 08:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:30	07/31/20 08:42	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:30	07/31/20 08:42	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:30	07/31/20 08:42	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 08:42	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:42	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 08:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:30	07/31/20 08:42	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:30	07/31/20 08:42	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:30	07/31/20 08:42	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	89	%	58-145		1	07/30/20 08:30	07/31/20 08:42	1868-53-7	
Toluene-d8 (S)	93	%	56-140		1	07/30/20 08:30	07/31/20 08:42	2037-26-5	
4-Bromofluorobenzene (S)	93	%	52-137		1	07/30/20 08:30	07/31/20 08:42	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	<b>20.8</b>	%	0.10	0.10	1		07/27/20 09:31		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

Sample: TS-GP-26(13-14)-20200722 Lab ID: 40211683008 Collected: 07/22/20 17:25 Received: 07/24/20 10:00 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	07/30/20 08:30	07/31/20 09:05	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	07/30/20 08:30	07/31/20 09:05	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	07/30/20 08:30	07/31/20 09:05	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	07/30/20 08:30	07/31/20 09:05	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:30	07/31/20 09:05	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	07/30/20 08:30	07/31/20 09:05	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:30	07/31/20 09:05	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	07/30/20 08:30	07/31/20 09:05	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	07/30/20 08:30	07/31/20 09:05	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	07/30/20 08:30	07/31/20 09:05	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	07/30/20 08:30	07/31/20 09:05	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	07/30/20 08:30	07/31/20 09:05	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	07/30/20 08:30	07/31/20 09:05	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	07/30/20 08:30	07/31/20 09:05	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	07/30/20 08:30	07/31/20 09:05	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	07/30/20 08:30	07/31/20 09:05	91-20-3	W

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-GP-26(13-14)-20200722 Lab ID: 40211683008** Collected: 07/22/20 17:25 Received: 07/24/20 10:00 Matrix: Solid  
*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	07/30/20 08:30	07/31/20 09:05	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	07/30/20 08:30	07/31/20 09:05	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	07/30/20 08:30	07/31/20 09:05	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	07/30/20 08:30	07/31/20 09:05	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	07/30/20 08:30	07/31/20 09:05	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 09:05	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	07/30/20 08:30	07/31/20 09:05	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	07/30/20 08:30	07/31/20 09:05	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	07/30/20 08:30	07/31/20 09:05	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	07/30/20 08:30	07/31/20 09:05	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	106	%	58-145		1	07/30/20 08:30	07/31/20 09:05	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	07/30/20 08:30	07/31/20 09:05	2037-26-5	
4-Bromofluorobenzene (S)	109	%	52-137		1	07/30/20 08:30	07/31/20 09:05	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	26.6	%	0.10	0.10	1		07/27/20 09:31		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-28(15-19)-20200723      **Lab ID:** 40211683009      Collected: 07/23/20 08:50      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 10:10	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 10:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 10:10	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 10:10	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 10:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 10:10	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 10:10	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 10:10	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 10:10	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 10:10	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 10:10	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 10:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 10:10	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 10:10	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 10:10	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 10:10	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 10:10	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 10:10	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 10:10	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 10:10	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 10:10	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 10:10	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 10:10	106-43-4	
Benzene	0.39J	ug/L	1.0	0.25	1		07/27/20 10:10	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 10:10	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 10:10	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 10:10	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 10:10	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 10:10	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 10:10	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 10:10	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 10:10	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 10:10	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 10:10	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 10:10	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 10:10	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 10:10	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/27/20 10:10	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 10:10	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 10:10	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 10:10	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 10:10	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 10:10	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/27/20 10:10	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-28(15-19)-20200723      **Lab ID:** 40211683009      Collected: 07/23/20 08:50      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 10:10	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 10:10	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/27/20 10:10	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 10:10	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 10:10	75-69-4	
Vinyl chloride	0.74J	ug/L	1.0	0.17	1		07/27/20 10:10	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/27/20 10:10	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 10:10	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/27/20 10:10	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 10:10	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 10:10	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/27/20 10:10	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 10:10	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 10:10	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 10:10	98-06-6	
trans-1,2-Dichloroethene	1.5J	ug/L	1.5	0.46	1		07/27/20 10:10	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 10:10	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/27/20 10:10	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		07/27/20 10:10	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/27/20 10:10	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-28(21-24)-20200723      **Lab ID:** 40211683010      Collected: 07/23/20 09:05      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/28/20 10:32	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/20 10:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/28/20 10:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/28/20 10:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/28/20 10:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/28/20 10:32	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/28/20 10:32	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/28/20 10:32	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/28/20 10:32	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/20 10:32	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/28/20 10:32	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/28/20 10:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/28/20 10:32	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 10:32	95-50-1	
1,2-Dichloroethane	0.91J	ug/L	1.0	0.28	1		07/28/20 10:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/28/20 10:32	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/28/20 10:32	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/28/20 10:32	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/28/20 10:32	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/28/20 10:32	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/28/20 10:32	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/28/20 10:32	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/28/20 10:32	106-43-4	
Benzene	0.35J	ug/L	1.0	0.25	1		07/28/20 10:32	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/28/20 10:32	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/20 10:32	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/28/20 10:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/28/20 10:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/28/20 10:32	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/28/20 10:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 10:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/28/20 10:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/28/20 10:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/28/20 10:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/28/20 10:32	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/28/20 10:32	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/28/20 10:32	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/28/20 10:32	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/28/20 10:32	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/28/20 10:32	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/28/20 10:32	98-82-8	
Methyl-tert-butyl ether	1.5J	ug/L	4.2	1.2	1		07/28/20 10:32	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/28/20 10:32	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/28/20 10:32	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample:** TS-VAS-28(21-24)-20200723      **Lab ID:** 40211683010      Collected: 07/23/20 09:05      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/28/20 10:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/28/20 10:32	127-18-4	
Toluene	0.33J	ug/L	0.90	0.27	1		07/28/20 10:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/20 10:32	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/28/20 10:32	75-69-4	
Vinyl chloride	0.70J	ug/L	1.0	0.17	1		07/28/20 10:32	75-01-4	
cis-1,2-Dichloroethene	0.69J	ug/L	1.0	0.27	1		07/28/20 10:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/28/20 10:32	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/28/20 10:32	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 10:32	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/28/20 10:32	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/28/20 10:32	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/28/20 10:32	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/28/20 10:32	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/28/20 10:32	98-06-6	
trans-1,2-Dichloroethene	3.2	ug/L	1.5	0.46	1		07/28/20 10:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/28/20 10:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/28/20 10:32	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		07/28/20 10:32	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/28/20 10:32	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-28(27-30)-20200723      **Lab ID:** 40211683011      Collected: 07/23/20 09:30      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 16:37	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 16:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 16:37	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 16:37	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 16:37	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 16:37	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 16:37	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 16:37	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 16:37	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 16:37	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 16:37	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 16:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 16:37	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 16:37	95-50-1	
1,2-Dichloroethane	0.41J	ug/L	1.0	0.28	1		07/27/20 16:37	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 16:37	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 16:37	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 16:37	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 16:37	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 16:37	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 16:37	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 16:37	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 16:37	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/27/20 16:37	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 16:37	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 16:37	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 16:37	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 16:37	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 16:37	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 16:37	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 16:37	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 16:37	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 16:37	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 16:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 16:37	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 16:37	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 16:37	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/27/20 16:37	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 16:37	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 16:37	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 16:37	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 16:37	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 16:37	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/27/20 16:37	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-28(27-30)-20200723      **Lab ID:** 40211683011      Collected: 07/23/20 09:30      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 16:37	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 16:37	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/27/20 16:37	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 16:37	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 16:37	75-69-4	
Vinyl chloride	0.50J	ug/L	1.0	0.17	1		07/27/20 16:37	75-01-4	
cis-1,2-Dichloroethene	0.56J	ug/L	1.0	0.27	1		07/27/20 16:37	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 16:37	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/27/20 16:37	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 16:37	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 16:37	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/27/20 16:37	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 16:37	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 16:37	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 16:37	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/27/20 16:37	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 16:37	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		07/27/20 16:37	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		07/27/20 16:37	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/27/20 16:37	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-VAS-29(17-20)-20200723** Lab ID: **40211683012** Collected: 07/23/20 10:20 Received: 07/24/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 16:59	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 16:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 16:59	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 16:59	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 16:59	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 16:59	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 16:59	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 16:59	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 16:59	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 16:59	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 16:59	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 16:59	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 16:59	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 16:59	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 16:59	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 16:59	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 16:59	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 16:59	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 16:59	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 16:59	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 16:59	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 16:59	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 16:59	106-43-4	
Benzene	3.6	ug/L	1.0	0.25	1		07/27/20 16:59	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 16:59	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 16:59	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 16:59	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 16:59	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 16:59	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 16:59	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 16:59	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 16:59	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 16:59	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 16:59	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 16:59	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 16:59	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 16:59	75-71-8	
Diisopropyl ether	11.3	ug/L	6.3	1.9	1		07/27/20 16:59	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 16:59	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 16:59	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 16:59	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 16:59	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 16:59	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/27/20 16:59	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample:** TS-VAS-29(17-20)-20200723      **Lab ID:** 40211683012      Collected: 07/23/20 10:20      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 16:59	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 16:59	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/27/20 16:59	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 16:59	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 16:59	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/27/20 16:59	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/27/20 16:59	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 16:59	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/27/20 16:59	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 16:59	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 16:59	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/27/20 16:59	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 16:59	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 16:59	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 16:59	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/27/20 16:59	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 16:59	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/27/20 16:59	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		07/27/20 16:59	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		07/27/20 16:59	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-29(23-25)-20200723      **Lab ID:** 40211683013      Collected: 07/23/20 10:35      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 17:20	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 17:20	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 17:20	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 17:20	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 17:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 17:20	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 17:20	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 17:20	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 17:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 17:20	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 17:20	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 17:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 17:20	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 17:20	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 17:20	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 17:20	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 17:20	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 17:20	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 17:20	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 17:20	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 17:20	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 17:20	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 17:20	106-43-4	
Benzene	0.78J	ug/L	1.0	0.25	1		07/27/20 17:20	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 17:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 17:20	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 17:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 17:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 17:20	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 17:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 17:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 17:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 17:20	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 17:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 17:20	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 17:20	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 17:20	75-71-8	
Diisopropyl ether	7.9	ug/L	6.3	1.9	1		07/27/20 17:20	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 17:20	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 17:20	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 17:20	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 17:20	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 17:20	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/27/20 17:20	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample:** TS-VAS-29(23-25)-20200723      **Lab ID:** 40211683013      Collected: 07/23/20 10:35      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 17:20	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 17:20	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/27/20 17:20	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 17:20	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 17:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/27/20 17:20	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/27/20 17:20	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 17:20	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/27/20 17:20	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 17:20	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 17:20	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/27/20 17:20	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 17:20	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 17:20	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 17:20	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/27/20 17:20	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 17:20	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		07/27/20 17:20	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		07/27/20 17:20	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/27/20 17:20	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-VAS-29(27-30)-20200723** Lab ID: **40211683014** Collected: 07/23/20 10:50 Received: 07/24/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 17:42	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 17:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 17:42	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 17:42	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 17:42	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 17:42	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 17:42	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 17:42	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 17:42	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 17:42	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 17:42	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 17:42	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 17:42	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 17:42	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 17:42	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 17:42	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 17:42	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 17:42	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 17:42	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 17:42	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 17:42	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 17:42	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 17:42	106-43-4	
Benzene	1.3	ug/L	1.0	0.25	1		07/27/20 17:42	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 17:42	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 17:42	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 17:42	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 17:42	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 17:42	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 17:42	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 17:42	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 17:42	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 17:42	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 17:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 17:42	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 17:42	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 17:42	75-71-8	
Diisopropyl ether	3.0J	ug/L	6.3	1.9	1		07/27/20 17:42	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 17:42	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 17:42	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 17:42	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 17:42	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 17:42	75-09-2	
Naphthalene	8.0	ug/L	5.0	1.2	1		07/27/20 17:42	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-29(27-30)-20200723      **Lab ID:** 40211683014      Collected: 07/23/20 10:50      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 17:42	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 17:42	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/27/20 17:42	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 17:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 17:42	75-69-4	
Vinyl chloride	0.43J	ug/L	1.0	0.17	1		07/27/20 17:42	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/27/20 17:42	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 17:42	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/27/20 17:42	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 17:42	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 17:42	103-65-1	
o-Xylene	0.66J	ug/L	1.0	0.26	1		07/27/20 17:42	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 17:42	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 17:42	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 17:42	98-06-6	
trans-1,2-Dichloroethene	0.50J	ug/L	1.5	0.46	1		07/27/20 17:42	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 17:42	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		07/27/20 17:42	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		07/27/20 17:42	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		07/27/20 17:42	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-30(18-22)-20200723      **Lab ID:** 40211683015      Collected: 07/23/20 11:45      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 18:03	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 18:03	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 18:03	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 18:03	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 18:03	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 18:03	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 18:03	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 18:03	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 18:03	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 18:03	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 18:03	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 18:03	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 18:03	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 18:03	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 18:03	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 18:03	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 18:03	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 18:03	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 18:03	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 18:03	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 18:03	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 18:03	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 18:03	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		07/27/20 18:03	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 18:03	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 18:03	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 18:03	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 18:03	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 18:03	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 18:03	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 18:03	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 18:03	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 18:03	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 18:03	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 18:03	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 18:03	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 18:03	75-71-8	
Diisopropyl ether	18.4	ug/L	6.3	1.9	1		07/27/20 18:03	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 18:03	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 18:03	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 18:03	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 18:03	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 18:03	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/27/20 18:03	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-30(18-22)-20200723      **Lab ID:** 40211683015      Collected: 07/23/20 11:45      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 18:03	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 18:03	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/27/20 18:03	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 18:03	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 18:03	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/27/20 18:03	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		07/27/20 18:03	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 18:03	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/27/20 18:03	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 18:03	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 18:03	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/27/20 18:03	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 18:03	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 18:03	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 18:03	98-06-6	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		07/27/20 18:03	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 18:03	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	91	%	70-130		1		07/27/20 18:03	460-00-4	
Dibromofluoromethane (S)	116	%	70-130		1		07/27/20 18:03	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		07/27/20 18:03	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample:** TS-VAS-30(32-35)-20200723      **Lab ID:** 40211683016      Collected: 07/23/20 12:00      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 18:25	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/27/20 18:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 18:25	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/27/20 18:25	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/27/20 18:25	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/27/20 18:25	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/27/20 18:25	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/27/20 18:25	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/27/20 18:25	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/27/20 18:25	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/27/20 18:25	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/27/20 18:25	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/27/20 18:25	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 18:25	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		07/27/20 18:25	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/27/20 18:25	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/27/20 18:25	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/27/20 18:25	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/27/20 18:25	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/27/20 18:25	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/27/20 18:25	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/27/20 18:25	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/27/20 18:25	106-43-4	
Benzene	1.9	ug/L	1.0	0.25	1		07/27/20 18:25	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/27/20 18:25	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/27/20 18:25	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/27/20 18:25	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/27/20 18:25	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/27/20 18:25	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/27/20 18:25	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 18:25	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/27/20 18:25	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/27/20 18:25	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/27/20 18:25	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/27/20 18:25	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/27/20 18:25	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/27/20 18:25	75-71-8	
Diisopropyl ether	4.4J	ug/L	6.3	1.9	1		07/27/20 18:25	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/27/20 18:25	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/27/20 18:25	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/27/20 18:25	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/27/20 18:25	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/27/20 18:25	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/27/20 18:25	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-30(32-35)-20200723      **Lab ID:** 40211683016      Collected: 07/23/20 12:00      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/27/20 18:25	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/27/20 18:25	127-18-4	
Toluene	0.45J	ug/L	0.90	0.27	1		07/27/20 18:25	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/27/20 18:25	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/27/20 18:25	75-69-4	
Vinyl chloride	0.20J	ug/L	1.0	0.17	1		07/27/20 18:25	75-01-4	
cis-1,2-Dichloroethene	0.30J	ug/L	1.0	0.27	1		07/27/20 18:25	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/27/20 18:25	10061-01-5	
m&p-Xylene	0.58J	ug/L	2.0	0.47	1		07/27/20 18:25	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/27/20 18:25	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/27/20 18:25	103-65-1	
o-Xylene	3.3	ug/L	1.0	0.26	1		07/27/20 18:25	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/27/20 18:25	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/27/20 18:25	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/27/20 18:25	98-06-6	
trans-1,2-Dichloroethene	0.64J	ug/L	1.5	0.46	1		07/27/20 18:25	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/27/20 18:25	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	90	%	70-130		1		07/27/20 18:25	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		07/27/20 18:25	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/27/20 18:25	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-31(20-23)-20200723      **Lab ID:** 40211683017      Collected: 07/23/20 13:40      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/28/20 10:54	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/20 10:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/28/20 10:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/28/20 10:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/28/20 10:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/28/20 10:54	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/28/20 10:54	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/28/20 10:54	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/28/20 10:54	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/20 10:54	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/28/20 10:54	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/28/20 10:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/28/20 10:54	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 10:54	95-50-1	
1,2-Dichloroethane	0.53J	ug/L	1.0	0.28	1		07/28/20 10:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/28/20 10:54	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/28/20 10:54	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/28/20 10:54	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/28/20 10:54	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/28/20 10:54	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/28/20 10:54	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/28/20 10:54	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/28/20 10:54	106-43-4	
Benzene	0.39J	ug/L	1.0	0.25	1		07/28/20 10:54	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/28/20 10:54	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/20 10:54	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/28/20 10:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/28/20 10:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/28/20 10:54	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/28/20 10:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 10:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/28/20 10:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/28/20 10:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/28/20 10:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/28/20 10:54	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/28/20 10:54	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/28/20 10:54	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/28/20 10:54	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/28/20 10:54	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/28/20 10:54	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/28/20 10:54	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/28/20 10:54	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/28/20 10:54	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/28/20 10:54	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-31(20-23)-20200723      **Lab ID:** 40211683017      Collected: 07/23/20 13:40      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		07/28/20 10:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/28/20 10:54	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/28/20 10:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/20 10:54	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/28/20 10:54	75-69-4	
Vinyl chloride	5.6	ug/L	1.0	0.17	1		07/28/20 10:54	75-01-4	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.27	1		07/28/20 10:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/28/20 10:54	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/28/20 10:54	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 10:54	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/28/20 10:54	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/28/20 10:54	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/28/20 10:54	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/28/20 10:54	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/28/20 10:54	98-06-6	
trans-1,2-Dichloroethene	6.1	ug/L	1.5	0.46	1		07/28/20 10:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/28/20 10:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		07/28/20 10:54	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		07/28/20 10:54	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		07/28/20 10:54	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-31(34-36)-20200723      **Lab ID:** 40211683018      Collected: 07/23/20 13:55      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		07/28/20 11:50	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		07/28/20 11:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		07/28/20 11:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		07/28/20 11:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		07/28/20 11:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		07/28/20 11:50	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/28/20 11:50	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		07/28/20 11:50	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		07/28/20 11:50	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		07/28/20 11:50	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/28/20 11:50	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/28/20 11:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/28/20 11:50	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 11:50	95-50-1	
1,2-Dichloroethane	0.91J	ug/L	1.0	0.28	1		07/28/20 11:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		07/28/20 11:50	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/28/20 11:50	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/28/20 11:50	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/28/20 11:50	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/28/20 11:50	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/28/20 11:50	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		07/28/20 11:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/28/20 11:50	106-43-4	
Benzene	0.83J	ug/L	1.0	0.25	1		07/28/20 11:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		07/28/20 11:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		07/28/20 11:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/28/20 11:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/28/20 11:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		07/28/20 11:50	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		07/28/20 11:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 11:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		07/28/20 11:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		07/28/20 11:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/28/20 11:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/28/20 11:50	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/28/20 11:50	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		07/28/20 11:50	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/28/20 11:50	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		07/28/20 11:50	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		07/28/20 11:50	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		07/28/20 11:50	98-82-8	
Methyl-tert-butyl ether	7.7	ug/L	4.2	1.2	1		07/28/20 11:50	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		07/28/20 11:50	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		07/28/20 11:50	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

**ANALYTICAL RESULTS**

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-31(34-36)-20200723      **Lab ID:** 40211683018      Collected: 07/23/20 13:55      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Styrene	<3.0	ug/L	10.0	3.0	1		07/28/20 11:50	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/28/20 11:50	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		07/28/20 11:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		07/28/20 11:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		07/28/20 11:50	75-69-4	
Vinyl chloride	18.4	ug/L	1.0	0.17	1		07/28/20 11:50	75-01-4	
cis-1,2-Dichloroethene	4.1	ug/L	1.0	0.27	1		07/28/20 11:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/28/20 11:50	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		07/28/20 11:50	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/28/20 11:50	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		07/28/20 11:50	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		07/28/20 11:50	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/28/20 11:50	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		07/28/20 11:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/28/20 11:50	98-06-6	
trans-1,2-Dichloroethene	1.2J	ug/L	1.5	0.46	1		07/28/20 11:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/28/20 11:50	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	92	%	70-130		1		07/28/20 11:50	460-00-4	HS
Dibromofluoromethane (S)	114	%	70-130		1		07/28/20 11:50	1868-53-7	
Toluene-d8 (S)	105	%	70-130		1		07/28/20 11:50	2037-26-5	

**REPORT OF LABORATORY ANALYSIS**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Sample: **TS-VAS-32(20-23)-20200723** Lab ID: **40211683019** Collected: 07/23/20 15:05 Received: 07/24/20 10:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/04/20 11:21	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/04/20 11:21	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/04/20 11:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/04/20 11:21	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/04/20 11:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/04/20 11:21	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/04/20 11:21	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/04/20 11:21	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/04/20 11:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/04/20 11:21	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/04/20 11:21	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/04/20 11:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/04/20 11:21	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/04/20 11:21	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/04/20 11:21	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/04/20 11:21	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/04/20 11:21	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/04/20 11:21	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/04/20 11:21	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/04/20 11:21	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/04/20 11:21	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/04/20 11:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/04/20 11:21	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/04/20 11:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/04/20 11:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/04/20 11:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/04/20 11:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/04/20 11:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/04/20 11:21	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/04/20 11:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/04/20 11:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/04/20 11:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/04/20 11:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/04/20 11:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/04/20 11:21	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/04/20 11:21	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/04/20 11:21	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/04/20 11:21	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/04/20 11:21	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/04/20 11:21	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/04/20 11:21	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/04/20 11:21	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/04/20 11:21	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/04/20 11:21	91-20-3	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-32(20-23)-20200723      **Lab ID:** 40211683019      Collected: 07/23/20 15:05      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		08/04/20 11:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/04/20 11:21	127-18-4	
Toluene	<0.27	ug/L	0.90	0.27	1		08/04/20 11:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/04/20 11:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/04/20 11:21	75-69-4	
Vinyl chloride	48.1	ug/L	1.0	0.17	1		08/04/20 11:21	75-01-4	
cis-1,2-Dichloroethene	7.7	ug/L	1.0	0.27	1		08/04/20 11:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/04/20 11:21	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/04/20 11:21	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/04/20 11:21	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/04/20 11:21	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/04/20 11:21	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/04/20 11:21	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/04/20 11:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/04/20 11:21	98-06-6	
trans-1,2-Dichloroethene	2.7	ug/L	1.5	0.46	1		08/04/20 11:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/04/20 11:21	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/04/20 11:21	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		08/04/20 11:21	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		08/04/20 11:21	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

**Sample:** TS-VAS-32(31-35)-20200723      **Lab ID:** 40211683020      Collected: 07/23/20 15:20      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/04/20 15:49	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/04/20 15:49	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/04/20 15:49	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/04/20 15:49	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/04/20 15:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/04/20 15:49	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/04/20 15:49	563-58-6	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		08/04/20 15:49	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/04/20 15:49	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/04/20 15:49	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/04/20 15:49	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/04/20 15:49	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/04/20 15:49	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/04/20 15:49	95-50-1	
1,2-Dichloroethane	0.43J	ug/L	1.0	0.28	1		08/04/20 15:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/04/20 15:49	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/04/20 15:49	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/04/20 15:49	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/04/20 15:49	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/04/20 15:49	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/04/20 15:49	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/04/20 15:49	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/04/20 15:49	106-43-4	
Benzene	0.60J	ug/L	1.0	0.25	1		08/04/20 15:49	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/04/20 15:49	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/04/20 15:49	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/04/20 15:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/04/20 15:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/04/20 15:49	74-83-9	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		08/04/20 15:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/04/20 15:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/04/20 15:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/04/20 15:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/04/20 15:49	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/04/20 15:49	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/04/20 15:49	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/04/20 15:49	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/04/20 15:49	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		08/04/20 15:49	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		08/04/20 15:49	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		08/04/20 15:49	98-82-8	
Methyl-tert-butyl ether	5.5	ug/L	4.2	1.2	1		08/04/20 15:49	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/04/20 15:49	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/04/20 15:49	91-20-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

**Sample: TS-VAS-32(31-35)-20200723**      **Lab ID: 40211683020**      Collected: 07/23/20 15:20      Received: 07/24/20 10:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Styrene	<3.0	ug/L	10.0	3.0	1		08/04/20 15:49	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/04/20 15:49	127-18-4	
Toluene	0.30J	ug/L	0.90	0.27	1		08/04/20 15:49	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/04/20 15:49	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/04/20 15:49	75-69-4	
Vinyl chloride	2.3	ug/L	1.0	0.17	1		08/04/20 15:49	75-01-4	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.27	1		08/04/20 15:49	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/04/20 15:49	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/04/20 15:49	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/04/20 15:49	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/04/20 15:49	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/04/20 15:49	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/04/20 15:49	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/04/20 15:49	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/04/20 15:49	98-06-6	
trans-1,2-Dichloroethene	0.76J	ug/L	1.5	0.46	1		08/04/20 15:49	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/04/20 15:49	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/04/20 15:49	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		08/04/20 15:49	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		08/04/20 15:49	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

QC Batch: 361669

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211683001, 40211683002, 40211683003, 40211683004, 40211683005

METHOD BLANK: 2090706

Matrix: Solid

Associated Lab Samples: 40211683001, 40211683002, 40211683003, 40211683004, 40211683005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	07/30/20 17:44	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	07/30/20 17:44	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	07/30/20 17:44	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	07/30/20 17:44	
1,1-Dichloroethane	ug/kg	<13.5	50.0	07/30/20 17:44	
1,1-Dichloroethene	ug/kg	<11.8	50.0	07/30/20 17:44	
1,1-Dichloropropene	ug/kg	<10.7	50.0	07/30/20 17:44	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	07/30/20 17:44	
1,2,3-Trichloropropane	ug/kg	<37.4	125	07/30/20 17:44	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	07/30/20 17:44	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	07/30/20 17:44	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	07/30/20 17:44	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	07/30/20 17:44	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	07/30/20 17:44	
1,2-Dichloroethane	ug/kg	<13.8	50.0	07/30/20 17:44	
1,2-Dichloropropane	ug/kg	<13.5	50.0	07/30/20 17:44	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	07/30/20 17:44	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	07/30/20 17:44	
1,3-Dichloropropane	ug/kg	<11.0	50.0	07/30/20 17:44	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	07/30/20 17:44	
2,2-Dichloropropane	ug/kg	<15.7	52.0	07/30/20 17:44	
2-Chlorotoluene	ug/kg	<19.3	64.0	07/30/20 17:44	
4-Chlorotoluene	ug/kg	<19.3	64.0	07/30/20 17:44	
Benzene	ug/kg	<12.5	42.0	07/30/20 17:44	
Bromobenzene	ug/kg	<18.5	62.0	07/30/20 17:44	
Bromochloromethane	ug/kg	<20.9	70.0	07/30/20 17:44	
Bromodichloromethane	ug/kg	<10.0	50.0	07/30/20 17:44	
Bromoform	ug/kg	<21.6	72.0	07/30/20 17:44	
Bromomethane	ug/kg	<63.8	250	07/30/20 17:44	
Carbon tetrachloride	ug/kg	<7.5	50.0	07/30/20 17:44	
Chlorobenzene	ug/kg	<16.8	56.0	07/30/20 17:44	
Chloroethane	ug/kg	<46.4	250	07/30/20 17:44	
Chloroform	ug/kg	<47.5	250	07/30/20 17:44	
Chloromethane	ug/kg	<24.0	80.0	07/30/20 17:44	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	07/30/20 17:44	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	07/30/20 17:44	
Dibromochloromethane	ug/kg	<229	763	07/30/20 17:44	
Dibromomethane	ug/kg	<17.7	59.0	07/30/20 17:44	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	07/30/20 17:44	
Diisopropyl ether	ug/kg	<14.0	50.0	07/30/20 17:44	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

METHOD BLANK: 2090706

Matrix: Solid

Associated Lab Samples: 40211683001, 40211683002, 40211683003, 40211683004, 40211683005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	07/30/20 17:44	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	07/30/20 17:44	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	07/30/20 17:44	
m&p-Xylene	ug/kg	<32.4	108	07/30/20 17:44	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	07/30/20 17:44	
Methylene Chloride	ug/kg	<26.3	88.0	07/30/20 17:44	
n-Butylbenzene	ug/kg	<30.0	100	07/30/20 17:44	
n-Propylbenzene	ug/kg	<17.8	59.0	07/30/20 17:44	
Naphthalene	ug/kg	<27.3	91.0	07/30/20 17:44	
o-Xylene	ug/kg	<18.1	60.0	07/30/20 17:44	
p-Isopropyltoluene	ug/kg	<21.7	72.0	07/30/20 17:44	
sec-Butylbenzene	ug/kg	<21.5	72.0	07/30/20 17:44	
Styrene	ug/kg	<12.3	50.0	07/30/20 17:44	
tert-Butylbenzene	ug/kg	<18.7	62.0	07/30/20 17:44	
Tetrachloroethene	ug/kg	<38.7	129	07/30/20 17:44	
Toluene	ug/kg	<13.1	50.0	07/30/20 17:44	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	07/30/20 17:44	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	07/30/20 17:44	
Trichloroethene	ug/kg	<12.8	50.0	07/30/20 17:44	
Trichlorofluoromethane	ug/kg	<19.6	65.0	07/30/20 17:44	
Vinyl chloride	ug/kg	<14.5	50.0	07/30/20 17:44	
4-Bromofluorobenzene (S)	%	91	52-137	07/30/20 17:44	
Dibromofluoromethane (S)	%	123	58-145	07/30/20 17:44	
Toluene-d8 (S)	%	101	56-140	07/30/20 17:44	

LABORATORY CONTROL SAMPLE: 2090707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2680	107	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2580	103	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2350	94	70-130	
1,1-Dichloroethane	ug/kg	2500	2740	110	69-143	
1,1-Dichloroethene	ug/kg	2500	2340	94	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2160	86	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2220	89	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2260	90	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
1,2-Dichloroethane	ug/kg	2500	2830	113	70-130	
1,2-Dichloropropane	ug/kg	2500	2540	102	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2210	88	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2240	90	70-130	
Benzene	ug/kg	2500	2160	87	70-130	
Bromodichloromethane	ug/kg	2500	2450	98	70-130	
Bromoform	ug/kg	2500	2160	87	67-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

LABORATORY CONTROL SAMPLE: 2090707

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	3100	124	45-134	
Carbon tetrachloride	ug/kg	2500	2590	103	70-130	
Chlorobenzene	ug/kg	2500	2350	94	70-130	
Chloroethane	ug/kg	2500	3000	120	58-143	
Chloroform	ug/kg	2500	2740	110	76-122	
Chloromethane	ug/kg	2500	2230	89	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2520	101	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2160	86	70-130	
Dibromochloromethane	ug/kg	2500	2130	85	70-130	
Dichlorodifluoromethane	ug/kg	2500	1630	65	26-99	
Ethylbenzene	ug/kg	2500	2260	90	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2170	87	70-130	
m&p-Xylene	ug/kg	5000	4580	92	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2230	89	70-130	
Methylene Chloride	ug/kg	2500	2090	84	70-130	
o-Xylene	ug/kg	2500	2280	91	70-130	
Styrene	ug/kg	2500	2360	94	70-130	
Tetrachloroethene	ug/kg	2500	2240	90	70-130	
Toluene	ug/kg	2500	2310	92	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2920	117	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	1990	80	70-130	
Trichloroethene	ug/kg	2500	2400	96	70-130	
Trichlorofluoromethane	ug/kg	2500	2470	99	70-128	
Vinyl chloride	ug/kg	2500	2190	87	53-110	
4-Bromofluorobenzene (S)	%			92	52-137	
Dibromofluoromethane (S)	%			113	58-145	
Toluene-d8 (S)	%			95	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2090708 2090709

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211683004	Spike Conc.	MSD Spike Conc.	MSD Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1660	1660	1660	1560	1700	94	102	66-130	9	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1660	1660	1660	1900	1830	114	110	70-133	4	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1660	1660	1660	1690	1580	102	95	70-130	6	20	
1,1-Dichloroethane	ug/kg	<25.0	1660	1660	1660	1870	1880	113	113	69-143	0	20	
1,1-Dichloroethene	ug/kg	<25.0	1660	1660	1660	1530	1660	92	100	58-120	8	20	
1,2,4-Trichlorobenzene	ug/kg	<41.7	1660	1660	1660	1550	1530	94	92	60-130	2	20	
1,2-Dibromo-3-chloropropane	ug/kg	<237	1660	1660	1660	1640	1640	98	99	59-136	1	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1660	1660	1660	1610	1610	97	97	70-130	0	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1660	1660	1660	1740	1700	105	102	70-130	2	20	
1,2-Dichloroethane	ug/kg	<25.0	1660	1660	1660	1770	1760	107	106	70-136	1	20	
1,2-Dichloropropane	ug/kg	<25.0	1660	1660	1660	1770	1700	107	102	78-128	4	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1660	1660	1660	1640	1720	99	103	70-130	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2090708			2090709								
Parameter	Units	40211683004 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
1,4-Dichlorobenzene	ug/kg	<25.0	1660	1660	1690	1670	102	101	70-130	1	20
Benzene	ug/kg	<25.0	1660	1660	1460	1540	88	93	70-130	5	20
Bromodichloromethane	ug/kg	<25.0	1660	1660	1580	1640	95	98	70-130	4	20
Bromoform	ug/kg	<25.0	1660	1660	1640	1650	99	99	63-130	1	20
Bromomethane	ug/kg	<63.8	1660	1660	2270	2390	136	144	33-146	5	20
Carbon tetrachloride	ug/kg	<25.0	1660	1660	1510	1720	91	103	65-130	13	20
Chlorobenzene	ug/kg	<25.0	1660	1660	1690	1680	102	101	70-130	1	20
Chloroethane	ug/kg	<46.4	1660	1660	2230	2240	134	135	46-156	1	20
Chloroform	ug/kg	<47.5	1660	1660	1780	1860	107	112	75-130	4	20
Chloromethane	ug/kg	<25.0	1660	1660	1630	1730	98	104	20-139	6	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1660	1660	1700	1780	103	107	69-130	5	20
cis-1,3-Dichloropropene	ug/kg	<42.3	1660	1660	1500	1470	90	89	70-130	1	20
Dibromochloromethane	ug/kg	<229	1660	1660	1580	1660	95	100	70-130	5	20
Dichlorodifluoromethane	ug/kg	<25.0	1660	1660	1300	1330	78	80	10-99	2	22
Ethylbenzene	ug/kg	<25.0	1660	1660	1500	1550	90	93	80-120	3	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1660	1660	1410	1460	85	88	70-130	3	20
m&p-Xylene	ug/kg	<50.0	3320	3320	3120	3180	94	96	70-130	2	20
Methyl-tert-butyl ether	ug/kg	<25.0	1660	1660	1380	1390	83	84	70-130	1	20
Methylene Chloride	ug/kg	<26.3	1660	1660	1480	1620	89	98	70-136	9	20
o-Xylene	ug/kg	<25.0	1660	1660	1550	1550	93	93	70-130	0	20
Styrene	ug/kg	<25.0	1660	1660	1590	1630	96	98	70-130	2	20
Tetrachloroethene	ug/kg	<38.7	1660	1660	1580	1620	95	98	68-130	2	20
Toluene	ug/kg	<25.0	1660	1660	1580	1600	95	96	80-120	2	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1660	1660	1880	1990	113	119	70-130	5	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1660	1660	1530	1470	92	88	70-130	4	20
Trichloroethene	ug/kg	<25.0	1660	1660	1540	1620	93	97	70-130	5	20
Trichlorofluoromethane	ug/kg	<25.0	1660	1660	1660	1740	100	105	53-128	5	20
Vinyl chloride	ug/kg	<25.0	1660	1660	1550	1630	93	98	32-118	5	20
4-Bromofluorobenzene (S)	%						98	98	52-137		
Dibromofluoromethane (S)	%						116	115	58-145		
Toluene-d8 (S)	%						101	101	56-140		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

QC Batch: 361672 Analysis Method: EPA 8260  
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List  
Laboratory: Pace Analytical Services - Green Bay  
Associated Lab Samples: 40211683006, 40211683007, 40211683008

METHOD BLANK: 2090719 Matrix: Solid  
Associated Lab Samples: 40211683006, 40211683007, 40211683008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	07/30/20 17:57	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	07/30/20 17:57	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	07/30/20 17:57	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	07/30/20 17:57	
1,1-Dichloroethane	ug/kg	<13.5	50.0	07/30/20 17:57	
1,1-Dichloroethene	ug/kg	<11.8	50.0	07/30/20 17:57	
1,1-Dichloropropene	ug/kg	<10.7	50.0	07/30/20 17:57	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	07/30/20 17:57	
1,2,3-Trichloropropane	ug/kg	<37.4	125	07/30/20 17:57	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	07/30/20 17:57	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	07/30/20 17:57	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	07/30/20 17:57	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	07/30/20 17:57	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	07/30/20 17:57	
1,2-Dichloroethane	ug/kg	<13.8	50.0	07/30/20 17:57	
1,2-Dichloropropane	ug/kg	<13.5	50.0	07/30/20 17:57	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	07/30/20 17:57	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	07/30/20 17:57	
1,3-Dichloropropane	ug/kg	<11.0	50.0	07/30/20 17:57	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	07/30/20 17:57	
2,2-Dichloropropane	ug/kg	<15.7	52.0	07/30/20 17:57	
2-Chlorotoluene	ug/kg	<19.3	64.0	07/30/20 17:57	
4-Chlorotoluene	ug/kg	<19.3	64.0	07/30/20 17:57	
Benzene	ug/kg	<12.5	42.0	07/30/20 17:57	
Bromobenzene	ug/kg	<18.5	62.0	07/30/20 17:57	
Bromochloromethane	ug/kg	<20.9	70.0	07/30/20 17:57	
Bromodichloromethane	ug/kg	<10.0	50.0	07/30/20 17:57	
Bromoform	ug/kg	<21.6	72.0	07/30/20 17:57	
Bromomethane	ug/kg	<63.8	250	07/30/20 17:57	
Carbon tetrachloride	ug/kg	<7.5	50.0	07/30/20 17:57	
Chlorobenzene	ug/kg	<16.8	56.0	07/30/20 17:57	
Chloroethane	ug/kg	<46.4	250	07/30/20 17:57	
Chloroform	ug/kg	<47.5	250	07/30/20 17:57	
Chloromethane	ug/kg	<24.0	80.0	07/30/20 17:57	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	07/30/20 17:57	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	07/30/20 17:57	
Dibromochloromethane	ug/kg	<229	763	07/30/20 17:57	
Dibromomethane	ug/kg	<17.7	59.0	07/30/20 17:57	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	07/30/20 17:57	
Diisopropyl ether	ug/kg	<14.0	50.0	07/30/20 17:57	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

METHOD BLANK: 2090719 Matrix: Solid  
Associated Lab Samples: 40211683006, 40211683007, 40211683008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	07/30/20 17:57	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	07/30/20 17:57	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	07/30/20 17:57	
m&p-Xylene	ug/kg	<32.4	108	07/30/20 17:57	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	07/30/20 17:57	
Methylene Chloride	ug/kg	<26.3	88.0	07/30/20 17:57	
n-Butylbenzene	ug/kg	<30.0	100	07/30/20 17:57	
n-Propylbenzene	ug/kg	<17.8	59.0	07/30/20 17:57	
Naphthalene	ug/kg	<27.3	91.0	07/30/20 17:57	
o-Xylene	ug/kg	<18.1	60.0	07/30/20 17:57	
p-Isopropyltoluene	ug/kg	<21.7	72.0	07/30/20 17:57	
sec-Butylbenzene	ug/kg	<21.5	72.0	07/30/20 17:57	
Styrene	ug/kg	<12.3	50.0	07/30/20 17:57	
tert-Butylbenzene	ug/kg	<18.7	62.0	07/30/20 17:57	
Tetrachloroethene	ug/kg	<38.7	129	07/30/20 17:57	
Toluene	ug/kg	<13.1	50.0	07/30/20 17:57	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	07/30/20 17:57	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	07/30/20 17:57	
Trichloroethene	ug/kg	<12.8	50.0	07/30/20 17:57	
Trichlorofluoromethane	ug/kg	<19.6	65.0	07/30/20 17:57	
Vinyl chloride	ug/kg	<14.5	50.0	07/30/20 17:57	
4-Bromofluorobenzene (S)	%	104	52-137	07/30/20 17:57	
Dibromofluoromethane (S)	%	99	58-145	07/30/20 17:57	
Toluene-d8 (S)	%	104	56-140	07/30/20 17:57	

LABORATORY CONTROL SAMPLE: 2090720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2490	100	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2310	92	70-130	
1,1-Dichloroethane	ug/kg	2500	2520	101	69-143	
1,1-Dichloroethene	ug/kg	2500	2490	100	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2570	103	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2420	97	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2440	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2550	102	70-130	
1,2-Dichloroethane	ug/kg	2500	2430	97	70-130	
1,2-Dichloropropane	ug/kg	2500	2550	102	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2620	105	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
Benzene	ug/kg	2500	2500	100	70-130	
Bromodichloromethane	ug/kg	2500	2430	97	70-130	
Bromoform	ug/kg	2500	2260	90	67-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

LABORATORY CONTROL SAMPLE: 2090720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2270	91	45-134	
Carbon tetrachloride	ug/kg	2500	2490	100	70-130	
Chlorobenzene	ug/kg	2500	2480	99	70-130	
Chloroethane	ug/kg	2500	2610	105	58-143	
Chloroform	ug/kg	2500	2470	99	76-122	
Chloromethane	ug/kg	2500	2810	112	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2340	93	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2410	96	70-130	
Dibromochloromethane	ug/kg	2500	2510	100	70-130	
Dichlorodifluoromethane	ug/kg	2500	2070	83	26-99	
Ethylbenzene	ug/kg	2500	2700	108	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2760	111	70-130	
m&p-Xylene	ug/kg	5000	5240	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2370	95	70-130	
Methylene Chloride	ug/kg	2500	2390	96	70-130	
o-Xylene	ug/kg	2500	2710	109	70-130	
Styrene	ug/kg	2500	2750	110	70-130	
Tetrachloroethene	ug/kg	2500	2400	96	70-130	
Toluene	ug/kg	2500	2570	103	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2410	96	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2540	102	70-130	
Trichloroethene	ug/kg	2500	2510	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2590	104	70-128	
Vinyl chloride	ug/kg	2500	2460	99	53-110	
4-Bromofluorobenzene (S)	%			99	52-137	
Dibromofluoromethane (S)	%			92	58-145	
Toluene-d8 (S)	%			100	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2090721 2090722

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211712006	Result	Spike Conc.	MSD Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<25.0	1450	1450	1370	1390	95	96	66-130	1	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1450	1450	1510	1450	104	100	70-133	4	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1450	1450	1400	1350	96	93	70-130	4	20		
1,1-Dichloroethane	ug/kg	<25.0	1450	1450	1460	1460	101	101	69-143	0	20		
1,1-Dichloroethene	ug/kg	<25.0	1450	1450	1320	1270	91	88	58-120	4	20		
1,2,4-Trichlorobenzene	ug/kg	<41.7	1450	1450	1840	1690	127	117	60-130	8	20		
1,2-Dibromo-3-chloropropane	ug/kg	<237	1450	1450	1480	1430	102	99	59-136	3	20		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1450	1450	1450	1430	100	99	70-130	1	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1450	1450	1610	1580	111	109	70-130	2	20		
1,2-Dichloroethane	ug/kg	<25.0	1450	1450	1440	1410	100	98	70-136	2	20		
1,2-Dichloropropane	ug/kg	<25.0	1450	1450	1490	1450	103	100	78-128	2	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1450	1450	1650	1570	114	109	70-130	4	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Parameter	Units	2090721		2090722		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211712006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
1,4-Dichlorobenzene	ug/kg	<25.0	1450	1450	1650	1590	114	110	70-130	4	20
Benzene	ug/kg	<25.0	1450	1450	1460	1470	101	101	70-130	1	20
Bromodichloromethane	ug/kg	<25.0	1450	1450	1390	1380	96	96	70-130	0	20
Bromoform	ug/kg	<25.0	1450	1450	1380	1360	95	94	63-130	1	20
Bromomethane	ug/kg	<63.8	1450	1450	1310	1270	90	88	33-146	3	20
Carbon tetrachloride	ug/kg	<25.0	1450	1450	1310	1360	91	94	65-130	3	20
Chlorobenzene	ug/kg	<25.0	1450	1450	1470	1390	101	96	70-130	5	20
Chloroethane	ug/kg	<46.4	1450	1450	1490	1440	103	100	46-156	4	20
Chloroform	ug/kg	<47.5	1450	1450	1430	1440	99	100	75-130	1	20
Chloromethane	ug/kg	<25.0	1450	1450	1700	1660	117	115	20-139	2	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1450	1450	1350	1390	93	96	69-130	3	20
cis-1,3-Dichloropropene	ug/kg	<42.3	1450	1450	1410	1370	98	95	70-130	3	20
Dibromochloromethane	ug/kg	<229	1450	1450	1480	1380	102	95	70-130	7	20
Dichlorodifluoromethane	ug/kg	<25.0	1450	1450	1260	1260	87	87	10-99	0	22
Ethylbenzene	ug/kg	<25.0	1450	1450	1510	1470	104	102	80-120	3	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1450	1450	1560	1490	108	103	70-130	4	20
m&p-Xylene	ug/kg	<50.0	2890	2890	2960	2850	102	98	70-130	4	20
Methyl-tert-butyl ether	ug/kg	<25.0	1450	1450	1360	1400	94	96	70-130	2	20
Methylene Chloride	ug/kg	<26.3	1450	1450	1390	1350	96	94	70-136	3	20
o-Xylene	ug/kg	<25.0	1450	1450	1590	1520	110	105	70-130	4	20
Styrene	ug/kg	<25.0	1450	1450	1590	1490	110	103	70-130	6	20
Tetrachloroethene	ug/kg	5430	1450	1450	6820	6770	96	92	68-130	1	20
Toluene	ug/kg	<25.0	1450	1450	1470	1420	102	98	80-120	4	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1450	1450	1370	1390	95	96	70-130	1	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1450	1450	1450	1410	100	98	70-130	3	20
Trichloroethene	ug/kg	30.3J	1450	1450	1430	1380	97	93	70-130	4	20
Trichlorofluoromethane	ug/kg	<25.0	1450	1450	1380	1390	95	96	53-128	1	20
Vinyl chloride	ug/kg	<25.0	1450	1450	1410	1410	98	98	32-118	0	20
4-Bromofluorobenzene (S)	%						116	109	52-137		
Dibromofluoromethane (S)	%						106	105	58-145		
Toluene-d8 (S)	%						111	106	56-140		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

QC Batch: 361203

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211683009, 40211683010, 40211683011, 40211683012, 40211683013, 40211683014, 40211683015, 40211683016, 40211683017, 40211683018

METHOD BLANK: 2088661

Matrix: Water

Associated Lab Samples: 40211683009, 40211683010, 40211683011, 40211683012, 40211683013, 40211683014, 40211683015, 40211683016, 40211683017, 40211683018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	07/27/20 08:02	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	07/27/20 08:02	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	07/27/20 08:02	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	07/27/20 08:02	
1,1-Dichloroethane	ug/L	<0.27	1.0	07/27/20 08:02	
1,1-Dichloroethene	ug/L	<0.24	1.0	07/27/20 08:02	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/27/20 08:02	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	07/27/20 08:02	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	07/27/20 08:02	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	07/27/20 08:02	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/27/20 08:02	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/27/20 08:02	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/27/20 08:02	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/27/20 08:02	
1,2-Dichloroethane	ug/L	<0.28	1.0	07/27/20 08:02	
1,2-Dichloropropane	ug/L	<0.28	1.0	07/27/20 08:02	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/27/20 08:02	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/27/20 08:02	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/27/20 08:02	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/27/20 08:02	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/27/20 08:02	
2-Chlorotoluene	ug/L	<0.93	5.0	07/27/20 08:02	
4-Chlorotoluene	ug/L	<0.76	2.5	07/27/20 08:02	
Benzene	ug/L	<0.25	1.0	07/27/20 08:02	
Bromobenzene	ug/L	<0.24	1.0	07/27/20 08:02	
Bromochloromethane	ug/L	<0.36	5.0	07/27/20 08:02	
Bromodichloromethane	ug/L	<0.36	1.2	07/27/20 08:02	
Bromoform	ug/L	<4.0	13.2	07/27/20 08:02	
Bromomethane	ug/L	<0.97	5.0	07/27/20 08:02	
Carbon tetrachloride	ug/L	<1.1	3.6	07/27/20 08:02	
Chlorobenzene	ug/L	<0.71	2.4	07/27/20 08:02	
Chloroethane	ug/L	<1.3	5.0	07/27/20 08:02	
Chloroform	ug/L	<1.3	5.0	07/27/20 08:02	
Chloromethane	ug/L	<2.2	7.3	07/27/20 08:02	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	07/27/20 08:02	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/27/20 08:02	
Dibromochloromethane	ug/L	<2.6	8.7	07/27/20 08:02	
Dibromomethane	ug/L	<0.94	3.1	07/27/20 08:02	
Dichlorodifluoromethane	ug/L	<0.50	5.0	07/27/20 08:02	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

METHOD BLANK: 2088661 Matrix: Water  
Associated Lab Samples: 40211683009, 40211683010, 40211683011, 40211683012, 40211683013, 40211683014, 40211683015, 40211683016, 40211683017, 40211683018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	<1.9	6.3	07/27/20 08:02	
Ethylbenzene	ug/L	<0.32	1.1	07/27/20 08:02	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	07/27/20 08:02	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	07/27/20 08:02	
m&p-Xylene	ug/L	<0.47	2.0	07/27/20 08:02	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/27/20 08:02	
Methylene Chloride	ug/L	<0.58	5.0	07/27/20 08:02	
n-Butylbenzene	ug/L	<0.71	2.4	07/27/20 08:02	
n-Propylbenzene	ug/L	<0.81	5.0	07/27/20 08:02	
Naphthalene	ug/L	<1.2	5.0	07/27/20 08:02	
o-Xylene	ug/L	<0.26	1.0	07/27/20 08:02	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/27/20 08:02	
sec-Butylbenzene	ug/L	<0.85	5.0	07/27/20 08:02	
Styrene	ug/L	<3.0	10.0	07/27/20 08:02	
tert-Butylbenzene	ug/L	<0.30	1.0	07/27/20 08:02	
Tetrachloroethene	ug/L	<0.33	1.1	07/27/20 08:02	
Toluene	ug/L	<0.27	0.90	07/27/20 08:02	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	07/27/20 08:02	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/27/20 08:02	
Trichloroethene	ug/L	<0.26	1.0	07/27/20 08:02	
Trichlorofluoromethane	ug/L	<0.21	1.0	07/27/20 08:02	
Vinyl chloride	ug/L	<0.17	1.0	07/27/20 08:02	
4-Bromofluorobenzene (S)	%	92	70-130	07/27/20 08:02	
Dibromofluoromethane (S)	%	105	70-130	07/27/20 08:02	
Toluene-d8 (S)	%	101	70-130	07/27/20 08:02	

LABORATORY CONTROL SAMPLE: 2088662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.5	113	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.1	106	64-131	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	53.0	106	69-163	
1,1-Dichloroethene	ug/L	50	51.2	102	77-123	
1,2,4-Trichlorobenzene	ug/L	50	52.0	104	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.9	102	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,2-Dichloroethane	ug/L	50	53.5	107	78-142	
1,2-Dichloropropane	ug/L	50	53.7	107	86-134	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	49.4	99	70-130	
Benzene	ug/L	50	55.2	110	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

LABORATORY CONTROL SAMPLE: 2088662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	53.8	108	70-130	
Bromoform	ug/L	50	50.2	100	70-130	
Bromomethane	ug/L	50	36.0	72	39-129	
Carbon tetrachloride	ug/L	50	57.8	116	70-132	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	50.4	101	66-140	
Chloroform	ug/L	50	52.3	105	75-132	
Chloromethane	ug/L	50	49.1	98	32-143	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	70-130	
Dibromochloromethane	ug/L	50	46.9	94	70-130	
Dichlorodifluoromethane	ug/L	50	49.8	100	10-141	
Ethylbenzene	ug/L	50	54.2	108	80-120	
Isopropylbenzene (Cumene)	ug/L	50	48.7	97	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	50.0	100	61-129	
Methylene Chloride	ug/L	50	49.9	100	70-130	
o-Xylene	ug/L	50	52.3	105	70-130	
Styrene	ug/L	50	48.1	96	70-130	
Tetrachloroethene	ug/L	50	49.2	98	70-130	
Toluene	ug/L	50	51.6	103	80-120	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.0	98	69-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
Trichlorofluoromethane	ug/L	50	55.6	111	75-145	
Vinyl chloride	ug/L	50	52.2	104	51-140	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2088796 2088797

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40211683009 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.24	5000	5000	5480	5460	110	109	70-130	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.28	5000	5000	5150	5100	103	102	64-137	1	20		
1,1,2-Trichloroethane	ug/L	<0.55	5000	5000	5030	5060	101	101	70-137	0	20		
1,1-Dichloroethane	ug/L	<0.27	5000	5000	5120	5080	102	102	69-163	1	20		
1,1-Dichloroethene	ug/L	<0.24	5000	5000	4800	4670	96	93	77-129	3	20		
1,2,4-Trichlorobenzene	ug/L	<0.95	5000	5000	4820	4980	96	100	68-130	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5000	5000	5050	5100	101	102	60-130	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.83	5000	5000	4920	5010	98	100	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.71	5000	5000	4960	4970	99	99	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.28	5000	5000	5310	5190	106	104	78-145	2	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Parameter	Units	2088796		2088797		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40211683009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,2-Dichloropropane	ug/L	<0.28	5000	5000	5410	5250	108	105	86-135	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	5000	5000	5070	4960	101	99	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.94	5000	5000	4900	4790	98	96	70-130	2	20	
Benzene	ug/L	0.39J	5000	5000	5430	5320	109	106	70-136	2	20	
Bromodichloromethane	ug/L	<0.36	5000	5000	5290	5220	106	104	70-130	1	20	
Bromoform	ug/L	<4.0	5000	5000	4960	4820	99	96	69-130	3	20	
Bromomethane	ug/L	<0.97	5000	5000	3340	3300	67	66	39-138	1	20	
Carbon tetrachloride	ug/L	<1.1	5000	5000	5620	5550	112	111	70-142	1	20	
Chlorobenzene	ug/L	<0.71	5000	5000	5280	5130	106	103	70-130	3	20	
Chloroethane	ug/L	<1.3	5000	5000	4560	4490	91	90	61-149	1	20	
Chloroform	ug/L	<1.3	5000	5000	5080	5010	102	100	75-133	1	20	
Chloromethane	ug/L	<2.2	5000	5000	3620	3630	72	73	32-143	0	20	
cis-1,2-Dichloroethene	ug/L	<0.27	5000	5000	4820	4950	96	99	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<3.6	5000	5000	5090	4950	102	99	70-130	3	20	
Dibromochloromethane	ug/L	<2.6	5000	5000	4650	4570	93	91	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	5000	5000	2340	2340	47	47	10-141	0	20	
Ethylbenzene	ug/L	<0.32	5000	5000	5440	5300	109	106	80-120	3	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	5000	5000	4860	4810	97	96	70-130	1	20	
m&p-Xylene	ug/L	<0.47	10000	10000	10600	10500	106	105	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	5000	5000	4860	4810	97	96	61-136	1	20	
Methylene Chloride	ug/L	<0.58	5000	5000	4880	4730	98	95	68-137	3	20	
o-Xylene	ug/L	<0.26	5000	5000	5260	5110	105	102	70-130	3	20	
Styrene	ug/L	<3.0	5000	5000	4800	4750	96	95	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	5000	5000	4880	4840	98	97	70-130	1	20	
Toluene	ug/L	<0.27	5000	5000	5250	5170	105	103	80-120	1	20	
trans-1,2-Dichloroethene	ug/L	1.5J	5000	5000	4960	4970	99	99	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	<4.4	5000	5000	4890	4740	98	95	69-130	3	20	
Trichloroethene	ug/L	<0.26	5000	5000	5300	5200	106	104	70-130	2	20	
Trichlorofluoromethane	ug/L	<0.21	5000	5000	4920	5020	98	100	74-157	2	20	
Vinyl chloride	ug/L	0.74J	5000	5000	4310	4180	86	84	51-140	3	20	
4-Bromofluorobenzene (S)	%						99	100	70-130			
Dibromofluoromethane (S)	%						101	103	70-130			
Toluene-d8 (S)	%						101	103	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

QC Batch: 361986 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40211683019, 40211683020

METHOD BLANK: 2092470 Matrix: Water  
Associated Lab Samples: 40211683019, 40211683020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/04/20 08:23	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/04/20 08:23	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/04/20 08:23	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/04/20 08:23	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/04/20 08:23	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/04/20 08:23	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/04/20 08:23	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	08/04/20 08:23	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/04/20 08:23	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/04/20 08:23	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/04/20 08:23	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/04/20 08:23	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/04/20 08:23	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/04/20 08:23	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/04/20 08:23	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/04/20 08:23	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/04/20 08:23	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/04/20 08:23	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/04/20 08:23	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/04/20 08:23	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/04/20 08:23	
2-Chlorotoluene	ug/L	<0.93	5.0	08/04/20 08:23	
4-Chlorotoluene	ug/L	<0.76	2.5	08/04/20 08:23	
Benzene	ug/L	<0.25	1.0	08/04/20 08:23	
Bromobenzene	ug/L	<0.24	1.0	08/04/20 08:23	
Bromochloromethane	ug/L	<0.36	5.0	08/04/20 08:23	
Bromodichloromethane	ug/L	<0.36	1.2	08/04/20 08:23	
Bromoform	ug/L	<4.0	13.2	08/04/20 08:23	
Bromomethane	ug/L	<0.97	5.0	08/04/20 08:23	
Carbon tetrachloride	ug/L	<1.1	3.6	08/04/20 08:23	
Chlorobenzene	ug/L	<0.71	2.4	08/04/20 08:23	
Chloroethane	ug/L	<1.3	5.0	08/04/20 08:23	
Chloroform	ug/L	<1.3	5.0	08/04/20 08:23	
Chloromethane	ug/L	<2.2	7.3	08/04/20 08:23	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/04/20 08:23	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/04/20 08:23	
Dibromochloromethane	ug/L	<2.6	8.7	08/04/20 08:23	
Dibromomethane	ug/L	<0.94	3.1	08/04/20 08:23	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/04/20 08:23	
Diisopropyl ether	ug/L	<1.9	6.3	08/04/20 08:23	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

METHOD BLANK: 2092470

Matrix: Water

Associated Lab Samples: 40211683019, 40211683020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	08/04/20 08:23	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	08/04/20 08:23	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	08/04/20 08:23	
m&p-Xylene	ug/L	<0.47	2.0	08/04/20 08:23	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/04/20 08:23	
Methylene Chloride	ug/L	<0.58	5.0	08/04/20 08:23	
n-Butylbenzene	ug/L	<0.71	2.4	08/04/20 08:23	
n-Propylbenzene	ug/L	<0.81	5.0	08/04/20 08:23	
Naphthalene	ug/L	<1.2	5.0	08/04/20 08:23	
o-Xylene	ug/L	<0.26	1.0	08/04/20 08:23	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/04/20 08:23	
sec-Butylbenzene	ug/L	<0.85	5.0	08/04/20 08:23	
Styrene	ug/L	<3.0	10.0	08/04/20 08:23	
tert-Butylbenzene	ug/L	<0.30	1.0	08/04/20 08:23	
Tetrachloroethene	ug/L	<0.33	1.1	08/04/20 08:23	
Toluene	ug/L	<0.27	0.90	08/04/20 08:23	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	08/04/20 08:23	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/04/20 08:23	
Trichloroethene	ug/L	<0.26	1.0	08/04/20 08:23	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/04/20 08:23	
Vinyl chloride	ug/L	<0.17	1.0	08/04/20 08:23	
4-Bromofluorobenzene (S)	%	91	70-130	08/04/20 08:23	
Dibromofluoromethane (S)	%	96	70-130	08/04/20 08:23	
Toluene-d8 (S)	%	103	70-130	08/04/20 08:23	

LABORATORY CONTROL SAMPLE: 2092471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.8	102	64-131	
1,1,2-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethane	ug/L	50	47.8	96	69-163	
1,1-Dichloroethene	ug/L	50	49.3	99	77-123	
1,2,4-Trichlorobenzene	ug/L	50	45.2	90	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.4	89	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	51.6	103	70-130	
1,2-Dichloroethane	ug/L	50	50.1	100	78-142	
1,2-Dichloropropane	ug/L	50	51.1	102	86-134	
1,3-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	
Benzene	ug/L	50	47.3	95	70-130	
Bromodichloromethane	ug/L	50	49.2	98	70-130	
Bromoform	ug/L	50	51.2	102	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

LABORATORY CONTROL SAMPLE: 2092471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	37.6	75	39-129	
Carbon tetrachloride	ug/L	50	52.6	105	70-132	
Chlorobenzene	ug/L	50	53.7	107	70-130	
Chloroethane	ug/L	50	46.6	93	66-140	
Chloroform	ug/L	50	49.6	99	75-132	
Chloromethane	ug/L	50	36.3	73	32-143	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	70-130	
Dibromochloromethane	ug/L	50	49.0	98	70-130	
Dichlorodifluoromethane	ug/L	50	32.3	65	10-141	
Ethylbenzene	ug/L	50	53.1	106	80-120	
Isopropylbenzene (Cumene)	ug/L	50	53.8	108	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	43.5	87	61-129	
Methylene Chloride	ug/L	50	47.3	95	70-130	
o-Xylene	ug/L	50	51.8	104	70-130	
Styrene	ug/L	50	53.9	108	70-130	
Tetrachloroethene	ug/L	50	47.0	94	70-130	
Toluene	ug/L	50	52.5	105	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.7	101	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.9	92	69-130	
Trichloroethene	ug/L	50	51.3	103	70-130	
Trichlorofluoromethane	ug/L	50	56.9	114	75-145	
Vinyl chloride	ug/L	50	45.5	91	51-140	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			92	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2092999 2093000

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40212167002 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<61.2	25000	25000	27400	27200	109	109	70-130	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<68.8	25000	25000	27800	27700	111	111	64-137	0	20		
1,1,2-Trichloroethane	ug/L	<138	25000	25000	28200	27700	113	111	70-137	2	20		
1,1-Dichloroethane	ug/L	<68.1	25000	25000	26000	25900	104	104	69-163	0	20		
1,1-Dichloroethene	ug/L	<61.2	25000	25000	26300	26200	105	105	77-129	0	20		
1,2,4-Trichlorobenzene	ug/L	<238	25000	25000	24400	24800	98	99	68-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<441	25000	25000	24700	24000	99	96	60-130	3	20		
1,2-Dibromoethane (EDB)	ug/L	<207	25000	25000	27400	26500	110	106	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<176	25000	25000	27800	27400	111	110	70-130	1	20		
1,2-Dichloroethane	ug/L	<70.0	25000	25000	26800	26700	107	107	78-145	1	20		
1,2-Dichloropropane	ug/L	<70.7	25000	25000	27900	27700	111	111	86-135	0	20		
1,3-Dichlorobenzene	ug/L	<157	25000	25000	27500	27400	110	110	70-130	0	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC  
Pace Project No.: 40211683

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2092999		2093000		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40212167002 Result	MS Spike Conc.	MSD Spike Conc.									
1,4-Dichlorobenzene	ug/L	<236	25000	25000	28300	28100	113	112	70-130	1	20		
Benzene	ug/L	<61.6	25000	25000	25800	25900	103	103	70-136	0	20		
Bromodichloromethane	ug/L	<90.9	25000	25000	27100	26900	108	108	70-130	0	20		
Bromoform	ug/L	<993	25000	25000	28000	27500	112	110	69-130	2	20		
Bromomethane	ug/L	<243	25000	25000	22300	21500	89	86	39-138	4	20		
Carbon tetrachloride	ug/L	<269	25000	25000	28500	28300	114	113	70-142	1	20		
Chlorobenzene	ug/L	<178	25000	25000	29200	29200	117	117	70-130	0	20		
Chloroethane	ug/L	<336	25000	25000	24900	24600	99	98	61-149	1	20		
Chloroform	ug/L	<318	25000	25000	27100	27100	108	108	75-133	0	20		
Chloromethane	ug/L	<547	25000	25000	18800	18300	75	72	32-143	3	20		
cis-1,2-Dichloroethene	ug/L	<67.8	25000	25000	25600	25900	102	104	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<907	25000	25000	26200	25600	105	102	70-130	3	20		
Dibromochloromethane	ug/L	<650	25000	25000	27100	26400	108	106	70-130	2	20		
Dichlorodifluoromethane	ug/L	<125	25000	25000	15100	14700	60	59	10-141	3	20		
Ethylbenzene	ug/L	<79.6	25000	25000	29000	28700	116	115	80-120	1	20		
Isopropylbenzene (Cumene)	ug/L	<422	25000	25000	28800	28800	115	115	70-130	0	20		
m&p-Xylene	ug/L	<116	50000	50000	58100	57800	116	116	70-130	0	20		
Methyl-tert-butyl ether	ug/L	<311	25000	25000	23600	23500	95	94	61-136	1	20		
Methylene Chloride	ug/L	<145	25000	25000	25500	25100	102	101	68-137	2	20		
o-Xylene	ug/L	<65.5	25000	25000	28100	27700	113	111	70-130	1	20		
Styrene	ug/L	<752	25000	25000	30200	29600	121	118	70-130	2	20		
Tetrachloroethene	ug/L	15800	25000	25000	38600	38500	91	91	70-130	0	20		
Toluene	ug/L	<67.4	25000	25000	28700	28400	115	113	80-120	1	20		
trans-1,2-Dichloroethene	ug/L	<116	25000	25000	28000	27300	112	109	70-130	2	20		
trans-1,3-Dichloropropene	ug/L	<1090	25000	25000	25300	24700	101	99	69-130	2	20		
Trichloroethene	ug/L	<63.8	25000	25000	27500	27600	110	110	70-130	0	20		
Trichlorofluoromethane	ug/L	<53.7	25000	25000	30000	30200	120	121	74-157	0	20		
Vinyl chloride	ug/L	<43.7	25000	25000	23700	23300	95	93	51-140	2	20		
4-Bromofluorobenzene (S)	%						98	98	70-130				
Dibromofluoromethane (S)	%						92	93	70-130				
Toluene-d8 (S)	%						104	103	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

---

QC Batch:	361267	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40211683001, 40211683002, 40211683003, 40211683004, 40211683005, 40211683006, 40211683007, 40211683008

---

SAMPLE DUPLICATE: 2088857

Parameter	Units	40211411001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	77.5	77.5	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0441161 910 MAYER LLC

Pace Project No.: 40211683

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40211683001	TS-GP-25(3-4)-20200722	EPA 5035/5030B	361669	EPA 8260	361670
40211683002	TS-GP-25(6-7)-20200722	EPA 5035/5030B	361669	EPA 8260	361670
40211683003	TS-GP-25(11-12)-20200722	EPA 5035/5030B	361669	EPA 8260	361670
40211683004	TS-GP-25(13-14)-20200722	EPA 5035/5030B	361669	EPA 8260	361670
40211683005	TS-GP-26(3-4)-20200722	EPA 5035/5030B	361669	EPA 8260	361670
40211683006	TS-GP-26(6-7)-20200722	EPA 5035/5030B	361672	EPA 8260	361675
40211683007	TS-GP-26(11-12)-20200722	EPA 5035/5030B	361672	EPA 8260	361675
40211683008	TS-GP-26(13-14)-20200722	EPA 5035/5030B	361672	EPA 8260	361675
40211683009	TS-VAS-28(15-19)-20200723	EPA 8260	361203		
40211683010	TS-VAS-28(21-24)-20200723	EPA 8260	361203		
40211683011	TS-VAS-28(27-30)-20200723	EPA 8260	361203		
40211683012	TS-VAS-29(17-20)-20200723	EPA 8260	361203		
40211683013	TS-VAS-29(23-25)-20200723	EPA 8260	361203		
40211683014	TS-VAS-29(27-30)-20200723	EPA 8260	361203		
40211683015	TS-VAS-30(18-22)-20200723	EPA 8260	361203		
40211683016	TS-VAS-30(32-35)-20200723	EPA 8260	361203		
40211683017	TS-VAS-31(20-23)-20200723	EPA 8260	361203		
40211683018	TS-VAS-31(34-36)-20200723	EPA 8260	361203		
40211683019	TS-VAS-32(20-23)-20200723	EPA 8260	361986		
40211683020	TS-VAS-32(31-35)-20200723	EPA 8260	361986		
40211683001	TS-GP-25(3-4)-20200722	ASTM D2974-87	361267		
40211683002	TS-GP-25(6-7)-20200722	ASTM D2974-87	361267		
40211683003	TS-GP-25(11-12)-20200722	ASTM D2974-87	361267		
40211683004	TS-GP-25(13-14)-20200722	ASTM D2974-87	361267		
40211683005	TS-GP-26(3-4)-20200722	ASTM D2974-87	361267		
40211683006	TS-GP-26(6-7)-20200722	ASTM D2974-87	361267		
40211683007	TS-GP-26(11-12)-20200722	ASTM D2974-87	361267		
40211683008	TS-GP-26(13-14)-20200722	ASTM D2974-87	361267		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)



# CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

Page 1 of 2  
 40211683

Company Name: **ERM**  
 Branch/Location: **Milwaukee, WI**  
 Project Contact: **Paul Steckenburg**  
 Phone: **610-283-7155**  
 Project Number: **0441161**  
 Project Name: **910 Meyer LLC**  
 Project State: **WI**  
 Sampled By (Print): **Chris Bunnov**  
 Sampled By (Sign): *[Signature]*  
 PO #: **0441161**

FILTERED?  
 (YES/NO)  
 PRESERVATION  
 (CODE)

**Data Package Options**  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air  
 B = Biota  
 C = Charcoal  
 O = Oil  
 S = Soil  
 Sl = Sludge  
 W = Water  
 DW = Drinking Water  
 GW = Ground Water  
 SW = Surface Water  
 WW = Waste Water  
 WP = Wipe

PACE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	TS-6P-25(3-4)-20200722	7-22	1630	S
002	TS-6P-25(6-7)-20200722	7-22	1635	S
003	TS-6P-25(11-12)-20200722	7-22	1640	S
004	TS-6P-25(13-14)-20200722	7-22	1645	S
005	TS-6P-26(3-4)-20200722	7-22	1716	S
006	TS-6P-26(6-7)-20200722	7-22	1715	S
007	TS-6P-26(11-12)-20200722	7-22	1720	S
008	TS-6P-26(13-14)-20200722	7-22	1730	S
009	TS-6P-26(15-16)-20200723	7-23	0850	GW
010	TS-VAS-28(21-22)-20200723	7-23	0905	GW
011	TS-VAS-28(27-30)-20200723	7-23	0930	GW
012	TS-VAS-29(17-20)-20200723	7-23	1000	GW

Y/N	Pick Letter	Analyses Requested
		VOCs
		Rush Turn - 4 Days
		Standard Turn

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	7/23/16 1645	<i>[Signature]</i>	7/23/16 1000
<i>[Signature]</i>	7/23/16 1000	<i>[Signature]</i>	7/23/16 1000

**Quote #:**  
**Mail To Contact:**  
**Mail To Company:**  
**Mail To Address:**  
**Invoice To Contact:**  
**Invoice To Company:**  
**Invoice To Address:**  
**Invoice To Phone:**  
**CLIENT COMMENTS**  
**LAB COMMENTS (Lab Use Only)**  
**Profile #**

**Special pricing and release of liability**  
**Relinquished By:**  
**Date/Time:**  
**Received By:**  
**Date/Time:**

**PACE Project No. 40211683**  
**Receipt Temp = 25 °C**  
**Sample Receipt pH**  
**OK / Adjusted**  
**Cooler Custody Seal Present / Not Present Intact / Not Intact**  
 Version 6.0 08/14/05

(Please Print Clearly)

Company Name: **ERM**  
 Branch/Location: **Millwaukee WI**  
 Project Contact: **Paul Sterkenburg**  
 Phone: **616-283-7155**  
 Project Number: **041161**  
 Project Name: **910 Mayer LLC**  
 Project State: **WI**  
 Sampled By (Print): **Chris Bungus**  
 Sampled By (Sign): *Chris Bungus*  
 PO #: **041161**  
 Regulatory Program: **041161**

**Data Package Options**  
 EPA Level III  
 EPA Level IV

**MS/MSD (billable)**  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air  
 B = Biotra  
 C = Charcoal  
 O = Oil  
 S = Soil  
 SI = Sludge  
 W = Water  
 DW = Drinking Water  
 GW = Ground Water  
 SW = Surface Water  
 WW = Waste Water  
 WP = Wipes



www.faceanalytical.com

# CHAIN OF CUSTODY

Preservation Codes  
 A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-489-2436

40211683

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analysis Requested		Y/N	Pick Letter	Filtered? (YES/NO)	Preservation (CODE)	Quote #:	Mail To Contact:	Mail To Company:	Mail To Address:	Invoice To Contact:	Invoice To Company:	Invoice To Address:	Invoice To Phone:	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #	
					Standard Turn	Rush - 4 day turn																
014	TS-VAS-29(2325)-20200723	7-23	1035	GW	X	X																
015	TS-VAS-29(27-20)-20200723	7-23	1050	GW	X	X																
016	TS-VAS-30(16-22)-20200723	7-23	1145	GW	X	X																
017	TS-VAS-30(28-35)-20200723	7-23	1200	GW	X	X																
018	TS-VAS-31(20-25)-20200723	7-23	1340	GW	X	X																
019	TS-VAS-31(24-36)-20200723	7-23	1355	GW	X	X																
020	TS-VAS-32(20-25)-20200723	7-23	1505	GW																		
021	TS-VAS-32(31-35)-20200723	7-23	1520	GW																		
022	TS-GP-27(7-9)-20200723	7-23	1550	S	X	X																
023	TS-GP-27(8-9)-20200723	7-23	1552	S	X	X																
024	TS-GP-27(10-13)-20200723	7-23	1555	S	X	X																

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed: **7/23/2020**

Transmit Prelim Rush Results by (complete what you want):  
 Relinquished By: *[Signature]* Date/Time: **7/23/1645**  
 Relinquished By: *[Signature]* Date/Time: **7/23/1645**  
 Relinquished By: *[Signature]* Date/Time: **7/23/1645**

Received By: *[Signature]* Date/Time: **7/23/1645**  
 Received By: *[Signature]* Date/Time: **7/23/1645**  
 Received By: *[Signature]* Date/Time: **7/23/1645**

Receipt Temp = **ROT** °C  
 Sample Receipt pH **OK / Adjusted**  
 Cooler Custody Seal **Present / Not Present**  
 Intact / Not Intact

PAGE Project No. **40211683**

Client Name: ERM

### Sample Preservation Receipt Form

Project # 40211683

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper: \_\_\_\_\_ Lab Sid #ID of preservation (if pH adjusted): \_\_\_\_\_

Initial when completed:

Date/ Time:

Pace Lab #	Glass						Plastic				Vials				Jars			General			VOA Vials (>6mm) *				Volume (mL)									
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T		ZPLC	GN	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted		
001																																		2.5 / 5 / 10
002																																		2.5 / 5 / 10
003																																		2.5 / 5 / 10
004																																		2.5 / 5 / 10
005																																		2.5 / 5 / 10
006																																		2.5 / 5 / 10
007																																		2.5 / 5 / 10
008																																		2.5 / 5 / 10
009																																		2.5 / 5 / 10
010																																		2.5 / 5 / 10
011																																		2.5 / 5 / 10
012																																		2.5 / 5 / 10
013																																		2.5 / 5 / 10
014																																		2.5 / 5 / 10
015																																		2.5 / 5 / 10
016																																		2.5 / 5 / 10
017																																		2.5 / 5 / 10
018																																		2.5 / 5 / 10
019																																		2.5 / 5 / 10
020																																		2.5 / 5 / 10

Exceptions to preservation check: VOA Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (>6mm) :  Yes  No  N/A \*if yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						




Client Name: ELM

Sample Preservation Receipt Form  
Project #: 4021683

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 905  
Green Bay, WI 54302  
Page 67 of 68

Pace Lab #	Glass					Plastic					Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)								
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U								WGFU	WPFU	SP5T	ZPLC	GN			
<u>001</u>																																				2.5/5/10
<u>002</u>																																				2.5/5/10
<u>003</u>																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10
																																				2.5/5/10

1/29/20  
mp

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

**Sample Condition Upon Receipt Form (SCUR)**

Client Name: ERM

Courier:  CS Logistics  Fed Ex  Speedee  UPS  Walto

Client  Pace Other: \_\_\_\_\_

Project #: \_\_\_\_\_

**WO#: 40211683**



40211683

Tracking #: 3951 0580 2660

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used SR - NA    Type of Ice:  Wet  Blue  Dry  None     Samples on ice, cooling process has begun

Cooler Temperature    Uncorr: lot /Corr: \_\_\_\_\_

Temp Blank Present:  yes  no    Biological Tissue is Frozen:  yes  no

Temp should be above freezing to 6°C.  
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:  
 Date: 7/24/20 /Initials: MP  
 Labeled By Initials: SKW

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>Mail, Invoice</u> <u>7/24/20</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>MP</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No    MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>001 Time = "1530"</u>
-Includes date/time/ID/Analysis    Matrix: <u>S/W</u>		<u>002: "1535"</u> <u>7/24/20</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <u>003: "1540"</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<u>004: "1545"</u> <u>Med vials</u>
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: \_\_\_\_\_    If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample logir



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 06/29/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 0441161  
 Project Manager: Paul Sterkenburg

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-GP-5(0-1)-20200629	A202701-01	Soil	06/29/2020	06/29/2020
TS-GP-5(7-8)-20200629	A202701-02	Soil	06/29/2020	06/29/2020
TS-GP-5(9-10)-20200629	A202701-03	Soil	06/29/2020	06/29/2020
TS-GP-5(14-15)-20200629	A202701-04	Soil	06/29/2020	06/29/2020
TS-GP-5(16-17)-20200629	A202701-05	Soil	06/29/2020	06/29/2020
TS-GP-1(0-1)-20200629	A202701-06	Soil	06/29/2020	06/29/2020
TS-GP-1(7-8)-20200629	A202701-07	Soil	06/29/2020	06/29/2020
TS-GP-1(10-11)-20200629	A202701-08	Soil	06/29/2020	06/29/2020
TS-GP-1(14-15)-20200629	A202701-09	Soil	06/29/2020	06/29/2020
TS-GP-1(16-17)-20200629	A202701-10	Soil	06/29/2020	06/29/2020
TS-GP-6(3-4)-20200629	A202701-11	Soil	06/29/2020	06/29/2020
TS-GP-6(4-5)-20200629	A202701-12	Soil	06/29/2020	06/29/2020
TS-GP-6(11-12)-20200629	A202701-13	Soil	06/29/2020	06/29/2020
TS-GP-6(14-15)-20200629	A202701-14	Soil	06/29/2020	06/29/2020
TS-GP-6(15-16)-20200629	A202701-15	Soil	06/29/2020	06/29/2020
TS-GP-2(1-2)-20200629	A202701-16	Soil	06/29/2020	06/29/2020
TS-GP-2(7-8)-20200629	A202701-17	Soil	06/29/2020	06/29/2020
TS-GP-2(11-12)-20200629	A202701-18	Soil	06/29/2020	06/29/2020
TS-GP-2(13-14)-20200629	A202701-19	Soil	06/29/2020	06/29/2020
TS-GP-7(2-3)-20200629	A202701-20	Soil	06/29/2020	06/29/2020
TS-GP-7(6-7)-20200629	A202701-21	Soil	06/29/2020	06/29/2020
TS-GP-7(9-10)-20200629	A202701-22	Soil	06/29/2020	06/29/2020
TS-GP-7(12-13)-20200629	A202701-23	Soil	06/29/2020	06/29/2020
TS-GP-7(17-18)-20200629	A202701-24	Soil	06/29/2020	06/29/2020

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

## **CASE NARRATIVE**

### **Sample Receipt Information:**

24 samples were received on 06/29/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

### **Laboratory Control Samples (LCS):**

The E1 footnote on samples A202701-21 through A202701-24 indicates that there were quality control sample exceedances for multiple analytes for the 8260 analysis. The LCS recoveries were below acceptable limits. Please see the quality control section of the report for more information.

### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A202701-04 and A202701-07 through A202701-10 states that there were low CCV recoveries for 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, carbon disulfide and methylene chloride. The lower control limits are 70% or 80% and the lowest recoveries were 63.6%, 59.4%, 68.6% and 66.8%, respectively.

The LC footnote on samples A202701-05, A202701-13, A202701-17 through A202701-20 and A202701-22 through A202701-24 states that there was a low CCV recovery for tetrahydrofuran. The lower control limit is 70% and the lowest recovery was 50.2%.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(0-1)-20200629**

**A202701-01 (Soil)**

Date Sampled  
**06/29/2020 09:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

1,1,1,2-Tetrachloroethane	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1,1-Trichloroethane	ND	9.6	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.9	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1,2-Trichloroethane	ND	8.3	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.4	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1-Dichloroethane	ND	12	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1-Dichloroethene	ND	9.6	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,1-Dichloropropene	ND	4.7	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.2	130	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2,3-Trichloropropane	ND	8.6	66	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.4	130	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.6	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.4	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2-Dichlorobenzene	ND	3.6	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2-Dichloroethane	ND	6.1	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,2-Dichloropropane	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.2	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,3-Dichlorobenzene	ND	6.2	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,3-Dichloropropane	ND	6.1	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
1,4-Dichlorobenzene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
2,2-Dichloropropane	ND	13	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
2-Butanone	ND	240	1300	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
2-Chlorotoluene	ND	3.4	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
2-Hexanone	ND	38	1300	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
4-Chlorotoluene	ND	4.1	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
4-Methyl-2-pentanone	ND	51	1300	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
<b>Acetone</b>	<b>240</b>	200	1300	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	J
Benzene	ND	2.1	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Bromobenzene	ND	6.7	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Bromochloromethane	ND	13	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Bromodichloromethane	ND	4.5	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Bromoform	ND	20	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Carbon disulfide	ND	3.0	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Carbon tetrachloride	ND	5.4	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Chlorobenzene	ND	4.9	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Chloroform	ND	5.0	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Chloromethane	ND	10	66	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.4	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Dibromochloromethane	ND	7.0	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Dibromomethane	ND	14	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(0-1)-20200629**

Date Sampled  
**06/29/2020 09:10**

**A202701-01 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Dichlorodifluoromethane	ND	6.7	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Diisopropyl Ether	ND	18	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Ethylbenzene	ND	2.8	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Hexachlorobutadiene	ND	8.4	130	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Isopropylbenzene	ND	3.0	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
<b>m,p-Xylene</b>	<b>9.2</b>	4.1	66	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	J
Methyl t-Butyl Ether	ND	5.7	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Methylene chloride	ND	9.2	130	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
<b>Naphthalene</b>	<b>28</b>	5.0	330	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	J
n-Butyl Benzene	ND	4.2	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
n-Propyl Benzene	ND	4.5	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
o-Xylene	ND	3.9	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
p-Isopropyltoluene	ND	3.7	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
sec-Butyl Benzene	ND	3.2	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Styrene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
tert-Butylbenzene	ND	3.6	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Tetrachloroethene	ND	7.5	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Tetrahydrofuran	ND	140	660	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Toluene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.9	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.7	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Trichloroethene	ND	5.4	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Vinyl chloride	ND	7.6	33	ug/kg dry	1	06/29/2020	06/29/2020 16:26	EPA 8260B	
Surrogate: Toluene-d8			79.2 %	61.9-110		06/29/2020	06/29/2020 16:26	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			83.6 %	59.1-115		06/29/2020	06/29/2020 16:26	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			72.9 %	80-120		06/29/2020	06/29/2020 16:26	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>80.3</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(7-8)-20200629**

**A202701-02 (Soil)**

**Date Sampled**  
**06/29/2020 09:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	32	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1,1-Trichloroethane	ND	31	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	25	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1,2-Trichloroethane	ND	26	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	17	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1-Dichloroethane	ND	39	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1-Dichloroethene	ND	31	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,1-Dichloropropene	ND	15	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2,3-Trichlorobenzene	ND	23	420	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2,3-Trichloropropane	ND	27	210	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2,4-Trichlorobenzene	ND	27	420	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2,4-Trimethylbenzene	ND	15	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	46	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	21	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2-Dichlorobenzene	ND	11	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2-Dichloroethane	ND	19	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,2-Dichloropropane	ND	32	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,3,5-Trimethylbenzene	ND	10	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,3-Dichlorobenzene	ND	20	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,3-Dichloropropane	ND	19	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
1,4-Dichlorobenzene	ND	17	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
2,2-Dichloropropane	ND	42	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
2-Butanone	ND	760	4200	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
2-Chlorotoluene	ND	11	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
2-Hexanone	ND	120	4200	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
4-Chlorotoluene	ND	13	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
4-Methyl-2-pentanone	ND	160	4200	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Acetone	ND	630	4200	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Benzene	ND	6.7	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Bromobenzene	ND	21	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Bromochloromethane	ND	40	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Bromodichloromethane	ND	14	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Bromoform	ND	63	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Carbon disulfide	ND	9.6	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Carbon tetrachloride	ND	17	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Chlorobenzene	ND	16	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Chloroform	ND	16	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Chloromethane	ND	33	210	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
cis-1,2-Dichloroethene	ND	34	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
cis-1,3-Dichloropropene	ND	23	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Dibromochloromethane	ND	22	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Dibromomethane	ND	46	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Dichlorodifluoromethane	ND	21	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(7-8)-20200629**

Date Sampled  
**06/29/2020 09:30**

**A202701-02 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	59	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Ethylbenzene	ND	8.8	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Hexachlorobutadiene	ND	27	420	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Isopropylbenzene	ND	9.6	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
m,p-Xylene	ND	13	210	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Methyl t-Butyl Ether	ND	18	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Methylene chloride	ND	29	420	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
<b>Naphthalene</b>	<b>57</b>	16	1000	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	J
n-Butyl Benzene	ND	13	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
n-Propyl Benzene	ND	14	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
o-Xylene	ND	13	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
p-Isopropyltoluene	ND	12	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
sec-Butyl Benzene	ND	10	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Styrene	ND	17	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
tert-Butylbenzene	ND	11	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Tetrachloroethene	ND	24	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Tetrahydrofuran	ND	460	2100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Toluene	ND	17	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
trans-1,2-Dichloroethene	ND	19	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
trans-1,3-Dichloropropene	ND	18	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Trichloroethene	ND	17	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Vinyl chloride	ND	24	100	ug/kg dry	1	06/29/2020	06/29/2020 16:53	EPA 8260B	
Surrogate: Toluene-d8			23.9 %	61.9-110		06/29/2020	06/29/2020 16:53	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			23.1 %	59.1-115		06/29/2020	06/29/2020 16:53	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			18.3 %	80-120		06/29/2020	06/29/2020 16:53	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>40.1</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(9-10)-20200629**

**A202701-03 (Soil)**

**Date Sampled**  
**06/29/2020 09:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	10	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1,1-Trichloroethane	ND	9.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.1	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1,2-Trichloroethane	ND	8.5	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.5	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1-Dichloroethane	ND	12	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1-Dichloroethene	ND	9.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,1-Dichloropropene	ND	4.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.4	130	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2,3-Trichloropropane	ND	8.7	67	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.6	130	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.7	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	15	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.6	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2-Dichlorobenzene	ND	3.6	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2-Dichloroethane	ND	6.2	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,2-Dichloropropane	ND	10	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.2	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,3-Dichlorobenzene	ND	6.3	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,3-Dichloropropane	ND	6.2	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
1,4-Dichlorobenzene	ND	5.4	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
2,2-Dichloropropane	ND	13	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
2-Butanone	ND	240	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
2-Chlorotoluene	ND	3.5	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
2-Hexanone	ND	39	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
4-Chlorotoluene	ND	4.2	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
4-Methyl-2-pentanone	ND	52	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Acetone	ND	200	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Benzene	ND	2.1	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Bromobenzene	ND	6.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Bromochloromethane	ND	13	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Bromodichloromethane	ND	4.6	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Bromoform	ND	20	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Carbon disulfide	ND	3.1	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Carbon tetrachloride	ND	5.5	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Chlorobenzene	ND	5.0	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Chloroform	ND	5.1	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Chloromethane	ND	11	67	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.5	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Dibromochloromethane	ND	7.1	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Dibromomethane	ND	15	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Dichlorodifluoromethane	ND	6.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(9-10)-20200629**

**A202701-03 (Soil)**

**Date Sampled**  
**06/29/2020 09:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	19	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Ethylbenzene	ND	2.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Hexachlorobutadiene	ND	8.6	130	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Isopropylbenzene	ND	3.1	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
m,p-Xylene	ND	4.2	67	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Methyl t-Butyl Ether	ND	5.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Methylene chloride	ND	9.4	130	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
<b>Naphthalene</b>	<b>16</b>	5.1	340	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	J
n-Butyl Benzene	ND	4.3	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
n-Propyl Benzene	ND	4.6	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
o-Xylene	ND	4.0	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
p-Isopropyltoluene	ND	3.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
sec-Butyl Benzene	ND	3.2	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Styrene	ND	5.4	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
tert-Butylbenzene	ND	3.6	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Tetrachloroethene	ND	7.6	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Tetrahydrofuran	ND	150	670	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Toluene	ND	5.4	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.0	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Trichloroethene	ND	5.5	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Vinyl chloride	ND	7.8	34	ug/kg dry	1	06/29/2020	06/29/2020 17:19	EPA 8260B	
Surrogate: Toluene-d8			78.9 %	61.9-110		06/29/2020	06/29/2020 17:19	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			83.5 %	59.1-115		06/29/2020	06/29/2020 17:19	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			72.6 %	80-120		06/29/2020	06/29/2020 17:19	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>79.9</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(14-15)-20200629**

**A202701-04 (Soil)**

**Date Sampled**  
**06/29/2020 09:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,1,1-Trichloroethane	ND	9.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.0	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,1,2-Trichloroethane	ND	8.4	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	LC
1,1-Dichloroethane	ND	12	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,1-Dichloroethene	ND	9.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	LC
1,1-Dichloropropene	ND	4.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.3	130	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2,3-Trichloropropane	ND	8.7	67	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.6	130	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.7	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	15	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2-Dichlorobenzene	ND	3.6	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2-Dichloroethane	ND	6.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,2-Dichloropropane	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.2	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,3-Dichlorobenzene	ND	6.3	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,3-Dichloropropane	ND	6.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
1,4-Dichlorobenzene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
2,2-Dichloropropane	ND	13	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
2-Butanone	ND	240	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
2-Chlorotoluene	ND	3.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
2-Hexanone	ND	39	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
4-Chlorotoluene	ND	4.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
4-Methyl-2-pentanone	ND	52	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Acetone	ND	200	1300	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Benzene	ND	2.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Bromobenzene	ND	6.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Bromochloromethane	ND	13	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Bromodichloromethane	ND	4.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Bromoform	ND	20	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
<b>Carbon disulfide</b>	<b>7.3</b>	3.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	LC, J
Carbon tetrachloride	ND	5.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Chlorobenzene	ND	4.9	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
<b>Chloroform</b>	<b>12</b>	5.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	B, J
Chloromethane	ND	11	67	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Dibromochloromethane	ND	7.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Dibromomethane	ND	15	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Dichlorodifluoromethane	ND	6.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(14-15)-20200629**

**A202701-04 (Soil)**

**Date Sampled**  
**06/29/2020 09:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	19	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Ethylbenzene	ND	2.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Hexachlorobutadiene	ND	8.6	130	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Isopropylbenzene	ND	3.1	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
m,p-Xylene	ND	4.1	67	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Methyl t-Butyl Ether	ND	5.7	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Methylene chloride	ND	9.4	130	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	LC
Naphthalene	ND	5.1	330	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
n-Butyl Benzene	ND	4.3	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
n-Propyl Benzene	ND	4.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
o-Xylene	ND	4.0	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
p-Isopropyltoluene	ND	3.7	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
sec-Butyl Benzene	ND	3.2	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Styrene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
tert-Butylbenzene	ND	3.6	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Tetrachloroethene	ND	7.6	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Tetrahydrofuran	ND	150	670	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Toluene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.0	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.7	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Trichloroethene	ND	5.5	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Vinyl chloride	ND	7.8	33	ug/kg dry	1	06/29/2020	06/29/2020 17:17	EPA 8260B	
Surrogate: Toluene-d8			53.2 %	61.9-110		06/29/2020	06/29/2020 17:17	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			56.9 %	59.1-115		06/29/2020	06/29/2020 17:17	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			50.4 %	80-120		06/29/2020	06/29/2020 17:17	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>73.5</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(16-17)-20200629**

**A202701-05 (Soil)**

**Date Sampled**  
**06/29/2020 10:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1,1-Trichloroethane	ND	11	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1,2-Trichloroethane	ND	9.7	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1-Dichloroethane	ND	14	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1-Dichloroethene	ND	11	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,1-Dichloropropene	ND	5.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.5	150	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2,3-Trichloropropane	ND	10	77	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.9	150	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.4	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	17	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2-Dichlorobenzene	ND	4.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2-Dichloroethane	ND	7.1	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,2-Dichloropropane	ND	12	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.7	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,3-Dichlorobenzene	ND	7.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,3-Dichloropropane	ND	7.1	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
1,4-Dichlorobenzene	ND	6.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
2,2-Dichloropropane	ND	15	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
2-Butanone	ND	280	1500	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
2-Chlorotoluene	ND	4.0	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
2-Hexanone	ND	45	1500	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
4-Chlorotoluene	ND	4.8	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
4-Methyl-2-pentanone	ND	60	1500	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Acetone	ND	230	1500	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Benzene	ND	2.5	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Bromobenzene	ND	7.9	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Bromochloromethane	ND	15	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Bromodichloromethane	ND	5.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Bromoform	ND	23	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Carbon disulfide	ND	3.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Carbon tetrachloride	ND	6.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Chlorobenzene	ND	5.7	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
<b>Chloroform</b>	<b>12</b>	5.9	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	J, B
Chloromethane	ND	12	77	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.7	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Dibromochloromethane	ND	8.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Dibromomethane	ND	17	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Dichlorodifluoromethane	ND	7.9	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-5(16-17)-20200629**

**A202701-05 (Soil)**

**Date Sampled**  
**06/29/2020 10:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	22	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Ethylbenzene	ND	3.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Hexachlorobutadiene	ND	9.9	150	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Isopropylbenzene	ND	3.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
m,p-Xylene	ND	4.8	77	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Methyl t-Butyl Ether	ND	6.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Methylene chloride	ND	11	150	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Naphthalene	ND	5.9	390	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
n-Butyl Benzene	ND	4.9	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
n-Propyl Benzene	ND	5.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
o-Xylene	ND	4.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
p-Isopropyltoluene	ND	4.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
sec-Butyl Benzene	ND	3.7	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Styrene	ND	6.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
tert-Butylbenzene	ND	4.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Tetrachloroethene	ND	8.8	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Tetrahydrofuran	ND	170	770	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	LC
Toluene	ND	6.2	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	7.0	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.6	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Trichloroethene	ND	6.3	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Vinyl chloride	ND	9.0	39	ug/kg dry	1	06/29/2020	06/29/2020 17:25	EPA 8260B	
Surrogate: Toluene-d8			91.3 %	61.9-110		06/29/2020	06/29/2020 17:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			85.8 %	59.1-115		06/29/2020	06/29/2020 17:25	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			85.7 %	80-120		06/29/2020	06/29/2020 17:25	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>77.8</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(0-1)-20200629**

**A202701-06 (Soil)**

**Date Sampled**  
**06/29/2020 10:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	16	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1,1-Trichloroethane	ND	15	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	12	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1,2-Trichloroethane	ND	13	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	8.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1-Dichloroethane	ND	19	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1-Dichloroethene	ND	15	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,1-Dichloropropene	ND	7.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	11	200	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2,3-Trichloropropane	ND	13	100	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	13	200	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>19</b>	7.1	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	22	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	9.9	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2-Dichlorobenzene	ND	5.4	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2-Dichloroethane	ND	9.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,2-Dichloropropane	ND	16	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.8	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,3-Dichlorobenzene	ND	9.5	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,3-Dichloropropane	ND	9.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
1,4-Dichlorobenzene	ND	8.1	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
2,2-Dichloropropane	ND	20	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
2-Butanone	ND	360	2000	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
2-Chlorotoluene	ND	5.2	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
2-Hexanone	ND	58	2000	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
4-Chlorotoluene	ND	6.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
4-Methyl-2-pentanone	ND	79	2000	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Acetone	ND	300	2000	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Benzene	ND	3.2	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Bromobenzene	ND	10	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Bromochloromethane	ND	19	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Bromodichloromethane	ND	6.9	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Bromoform	ND	30	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Carbon disulfide	ND	4.6	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Carbon tetrachloride	ND	8.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Chlorobenzene	ND	7.5	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Chloroform	ND	7.7	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Chloromethane	ND	16	100	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	16	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
cis-1,3-Dichloropropene	ND	11	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Dibromochloromethane	ND	11	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Dibromomethane	ND	22	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Dichlorodifluoromethane	ND	10	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(0-1)-20200629**

Date Sampled  
**06/29/2020 10:10**

**A202701-06 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	28	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Ethylbenzene	ND	4.2	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Isopropylbenzene	ND	4.6	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
<b>m,p-Xylene</b>	<b>29</b>	6.3	100	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	J
Methyl t-Butyl Ether	ND	8.7	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Methylene chloride	ND	14	200	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
<b>Naphthalene</b>	<b>39</b>	7.7	500	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	J
n-Butyl Benzene	ND	6.5	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
n-Propyl Benzene	ND	6.9	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
<b>o-Xylene</b>	<b>19</b>	6.1	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	J
p-Isopropyltoluene	ND	5.6	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
sec-Butyl Benzene	ND	4.8	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Styrene	ND	8.1	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
tert-Butylbenzene	ND	5.4	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Tetrachloroethene	ND	11	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Tetrahydrofuran	ND	220	1000	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
<b>Toluene</b>	<b>19</b>	8.1	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	J
trans-1,2-Dichloroethene	ND	9.1	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
trans-1,3-Dichloropropene	ND	8.7	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Trichloroethene	ND	8.3	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Vinyl chloride	ND	12	50	ug/kg dry	1	06/29/2020	06/29/2020 17:45	EPA 8260B	
Surrogate: Toluene-d8			82.8 %	61.9-110		06/29/2020	06/29/2020 17:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			100 %	59.1-115		06/29/2020	06/29/2020 17:45	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			77.7 %	80-120		06/29/2020	06/29/2020 17:45	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>85.8</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(7-8)-20200629**

**A202701-07 (Soil)**

**Date Sampled**  
**06/29/2020 10:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	13	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,1,1-Trichloroethane	ND	12	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	10	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,1,2-Trichloroethane	ND	11	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.0	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	LC
1,1-Dichloroethane	ND	16	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,1-Dichloroethene	ND	12	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	LC
1,1-Dichloropropene	ND	6.1	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	9.3	170	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2,3-Trichloropropane	ND	11	85	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	11	170	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.9	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	19	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.3	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2-Dichlorobenzene	ND	4.6	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2-Dichloroethane	ND	7.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,2-Dichloropropane	ND	13	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.1	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,3-Dichlorobenzene	ND	8.0	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,3-Dichloropropane	ND	7.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
1,4-Dichlorobenzene	ND	6.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
2,2-Dichloropropane	ND	17	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
2-Butanone	ND	310	1700	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
2-Chlorotoluene	ND	4.4	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
2-Hexanone	ND	49	1700	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
4-Chlorotoluene	ND	5.3	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
4-Methyl-2-pentanone	ND	66	1700	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Acetone	ND	250	1700	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Benzene	ND	2.7	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Bromobenzene	ND	8.6	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Bromochloromethane	ND	16	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Bromodichloromethane	ND	5.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Bromoform	ND	25	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Carbon disulfide	ND	3.9	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	LC
Carbon tetrachloride	ND	7.0	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Chlorobenzene	ND	6.3	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
<b>Chloroform</b>	<b>14</b>	6.4	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	B, J
Chloromethane	ND	13	85	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
cis-1,2-Dichloroethene	ND	14	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
cis-1,3-Dichloropropene	ND	9.5	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Dibromochloromethane	ND	9.0	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Dibromomethane	ND	19	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Dichlorodifluoromethane	ND	8.6	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(7-8)-20200629**

Date Sampled  
**06/29/2020 10:15**

**A202701-07 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	24	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Ethylbenzene	ND	3.6	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Hexachlorobutadiene	ND	11	170	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Isopropylbenzene	ND	3.9	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
m,p-Xylene	ND	5.3	85	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Methyl t-Butyl Ether	ND	7.3	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Methylene chloride	ND	12	170	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	LC
Naphthalene	ND	6.4	420	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
n-Butyl Benzene	ND	5.4	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
n-Propyl Benzene	ND	5.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
o-Xylene	ND	5.1	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
p-Isopropyltoluene	ND	4.7	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
sec-Butyl Benzene	ND	4.1	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Styrene	ND	6.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
tert-Butylbenzene	ND	4.6	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Tetrachloroethene	ND	9.7	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Tetrahydrofuran	ND	190	850	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Toluene	ND	6.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	7.6	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
trans-1,3-Dichloropropene	ND	7.3	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Trichloroethene	ND	7.0	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Vinyl chloride	ND	9.8	42	ug/kg dry	1	06/29/2020	06/29/2020 17:41	EPA 8260B	
Surrogate: Toluene-d8			32.9 %	61.9-110		06/29/2020	06/29/2020 17:41	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			34.2 %	59.1-115		06/29/2020	06/29/2020 17:41	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			28.6 %	80-120		06/29/2020	06/29/2020 17:41	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>81.4</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(10-11)-20200629**

**A202701-08 (Soil)**

**Date Sampled**  
**06/29/2020 10:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.7	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,1,1-Trichloroethane	ND	9.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.6	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,1,2-Trichloroethane	ND	8.0	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	LC
1,1-Dichloroethane	ND	12	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,1-Dichloroethene	ND	9.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	LC
1,1-Dichloropropene	ND	4.5	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.9	130	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2,3-Trichloropropane	ND	8.2	63	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.1	130	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2-Dichlorobenzene	ND	3.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2-Dichloroethane	ND	5.8	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,2-Dichloropropane	ND	9.7	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.0	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,3-Dichlorobenzene	ND	5.9	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,3-Dichloropropane	ND	5.8	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
1,4-Dichlorobenzene	ND	5.1	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
2,2-Dichloropropane	ND	13	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
2-Butanone	ND	230	1300	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
2-Chlorotoluene	ND	3.3	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
2-Hexanone	ND	37	1300	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
4-Chlorotoluene	ND	3.9	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
4-Methyl-2-pentanone	ND	49	1300	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Acetone	ND	190	1300	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Benzene	ND	2.0	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Bromobenzene	ND	6.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Bromochloromethane	ND	12	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Bromodichloromethane	ND	4.3	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Bromoform	ND	19	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Carbon disulfide	ND	2.9	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	LC
Carbon tetrachloride	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Chlorobenzene	ND	4.7	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
<b>Chloroform</b>	<b>11</b>	4.8	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	B, J
Chloromethane	ND	10	63	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.1	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Dibromochloromethane	ND	6.7	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Dibromomethane	ND	14	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Dichlorodifluoromethane	ND	6.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(10-11)-20200629**

**A202701-08 (Soil)**

**Date Sampled**  
**06/29/2020 10:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	18	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Ethylbenzene	ND	2.7	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Hexachlorobutadiene	ND	8.1	130	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Isopropylbenzene	ND	2.9	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
m,p-Xylene	ND	3.9	63	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Methyl t-Butyl Ether	ND	5.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Methylene chloride	ND	8.8	130	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	LC
Naphthalene	ND	4.8	320	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
n-Butyl Benzene	ND	4.0	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
n-Propyl Benzene	ND	4.3	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
o-Xylene	ND	3.8	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
p-Isopropyltoluene	ND	3.5	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
sec-Butyl Benzene	ND	3.0	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Styrene	ND	5.1	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
tert-Butylbenzene	ND	3.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Tetrachloroethene	ND	7.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Tetrahydrofuran	ND	140	630	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Toluene	ND	5.1	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.7	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.4	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Trichloroethene	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Vinyl chloride	ND	7.3	32	ug/kg dry	1	06/29/2020	06/29/2020 18:06	EPA 8260B	
Surrogate: Toluene-d8			60.1 %	61.9-110		06/29/2020	06/29/2020 18:06	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			63.9 %	59.1-115		06/29/2020	06/29/2020 18:06	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			56.2 %	80-120		06/29/2020	06/29/2020 18:06	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>78.9</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(14-15)-20200629**

**A202701-09 (Soil)**

**Date Sampled**  
**06/29/2020 10:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,1,1-Trichloroethane	ND	11	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,1,2-Trichloroethane	ND	9.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.1	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	LC
1,1-Dichloroethane	ND	14	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,1-Dichloroethene	ND	11	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	LC
1,1-Dichloropropene	ND	5.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.2	150	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2,3-Trichloropropane	ND	9.7	75	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.6	150	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.2	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	16	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.3	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2-Dichlorobenzene	ND	4.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2-Dichloroethane	ND	6.9	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,2-Dichloropropane	ND	12	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.6	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,3-Dichlorobenzene	ND	7.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,3-Dichloropropane	ND	6.9	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
1,4-Dichlorobenzene	ND	6.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
2,2-Dichloropropane	ND	15	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
2-Butanone	ND	270	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
2-Chlorotoluene	ND	3.9	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
2-Hexanone	ND	43	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
4-Chlorotoluene	ND	4.6	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
4-Methyl-2-pentanone	ND	58	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Acetone	ND	220	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Benzene	ND	2.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Bromobenzene	ND	7.6	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Bromochloromethane	ND	14	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Bromodichloromethane	ND	5.1	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Bromoform	ND	22	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Carbon disulfide	ND	3.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	LC
Carbon tetrachloride	ND	6.1	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Chlorobenzene	ND	5.5	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
<b>Chloroform</b>	<b>13</b>	5.7	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	B, J
Chloromethane	ND	12	75	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Dibromochloromethane	ND	7.9	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Dibromomethane	ND	16	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Dichlorodifluoromethane	ND	7.6	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(14-15)-20200629**

**A202701-09 (Soil)**

**Date Sampled**  
**06/29/2020 10:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	21	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Ethylbenzene	ND	3.1	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Hexachlorobutadiene	ND	9.6	150	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Isopropylbenzene	ND	3.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
m,p-Xylene	ND	4.6	75	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Methyl t-Butyl Ether	ND	6.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
<b>Methylene chloride</b>	<b>13</b>	10	150	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	LC, J
Naphthalene	ND	5.7	370	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
n-Butyl Benzene	ND	4.8	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
n-Propyl Benzene	ND	5.1	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
o-Xylene	ND	4.5	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
p-Isopropyltoluene	ND	4.2	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
sec-Butyl Benzene	ND	3.6	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Styrene	ND	6.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
tert-Butylbenzene	ND	4.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Tetrachloroethene	ND	8.5	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Tetrahydrofuran	ND	160	750	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Toluene	ND	6.0	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.7	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.4	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Trichloroethene	ND	6.1	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	
Vinyl chloride	ND	8.7	37	ug/kg dry	1	06/29/2020	06/29/2020 18:31	EPA 8260B	

Surrogate: Toluene-d8

75.8 % 61.9-110

06/29/2020 06/29/2020 18:31

EPA 8260B

Surrogate: 4-Bromofluorobenzene

80.1 % 59.1-115

06/29/2020 06/29/2020 18:31

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

71.8 % 80-120

06/29/2020 06/29/2020 18:31

EPA 8260B

S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>74.1</b>	0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(16-17)-20200629**

**A202701-10 (Soil)**

**Date Sampled**  
**06/29/2020 10:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.2	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,1-Trichloroethane	ND	8.7	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.1	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,2-Trichloroethane	ND	7.5	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	LC
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1-Dichloroethene	ND	8.7	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	LC
1,1-Dichloropropene	ND	4.3	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.5	120	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,3-Trichloropropane	ND	7.7	59	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.6	120	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.2	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.8	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dichlorobenzene	ND	3.2	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dichloroethane	ND	5.5	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dichloropropane	ND	9.2	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,3-Dichlorobenzene	ND	5.6	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,3-Dichloropropane	ND	5.5	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,4-Dichlorobenzene	ND	4.8	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2-Chlorotoluene	ND	3.1	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
4-Chlorotoluene	ND	3.7	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
4-Methyl-2-pentanone	ND	46	1200	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Benzene	ND	1.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromobenzene	ND	6.1	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromochloromethane	ND	11	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromodichloromethane	ND	4.0	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Carbon disulfide	ND	2.7	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	LC
Carbon tetrachloride	ND	4.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Chlorobenzene	ND	4.4	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
<b>Chloroform</b>	<b>9.5</b>	4.5	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	B, J
Chloromethane	ND	9.4	59	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.5	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.7	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Dibromochloromethane	ND	6.3	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Dichlorodifluoromethane	ND	6.1	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-1(16-17)-20200629**

**A202701-10 (Soil)**

**Date Sampled**  
**06/29/2020 10:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	17	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Ethylbenzene	ND	2.5	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Hexachlorobutadiene	ND	7.6	120	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Isopropylbenzene	ND	2.7	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
m,p-Xylene	ND	3.7	59	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Methyl t-Butyl Ether	ND	5.1	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Methylene chloride	ND	8.3	120	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	LC
Naphthalene	ND	4.5	300	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
n-Butyl Benzene	ND	3.8	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
n-Propyl Benzene	ND	4.0	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
o-Xylene	ND	3.6	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
p-Isopropyltoluene	ND	3.3	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
sec-Butyl Benzene	ND	2.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Styrene	ND	4.8	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
tert-Butylbenzene	ND	3.2	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Tetrachloroethene	ND	6.8	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Tetrahydrofuran	ND	130	590	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Toluene	ND	4.8	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.3	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.1	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Trichloroethene	ND	4.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Vinyl chloride	ND	6.9	30	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Surrogate: Toluene-d8			72.6 %	61.9-110		06/29/2020	06/29/2020 18:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			79.2 %	59.1-115		06/29/2020	06/29/2020 18:56	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			67.5 %	80-120		06/29/2020	06/29/2020 18:56	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>83.3</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(3-4)-20200629**

**A202701-11 (Soil)**

**Date Sampled**  
**06/29/2020 10:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	36	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,1,1-Trichloroethane	ND	34	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	28	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>440</b>	29	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	19	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,1-Dichloroethane	ND	43	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,1-Dichloroethene	ND	34	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,1-Dichloropropene	ND	17	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2,3-Trichlorobenzene	ND	25	460	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2,3-Trichloropropane	ND	30	230	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2,4-Trichlorobenzene	ND	30	460	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2,4-Trimethylbenzene	ND	16	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	51	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	23	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2-Dichlorobenzene	ND	12	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>3000</b>	21	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,2-Dichloropropane	ND	36	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,3,5-Trimethylbenzene	ND	11	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,3-Dichlorobenzene	ND	22	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,3-Dichloropropane	ND	21	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
1,4-Dichlorobenzene	ND	19	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
2,2-Dichloropropane	ND	46	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
2-Butanone	ND	830	4600	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
2-Chlorotoluene	ND	12	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
2-Hexanone	ND	130	4600	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
4-Chlorotoluene	ND	14	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
4-Methyl-2-pentanone	ND	180	4600	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Acetone	ND	690	4600	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Benzene	ND	7.4	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Bromobenzene	ND	24	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Bromochloromethane	ND	44	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Bromodichloromethane	ND	16	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Bromoform	ND	69	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Carbon disulfide	ND	11	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Carbon tetrachloride	ND	19	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Chlorobenzene	ND	17	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Chloroform	ND	18	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Chloromethane	ND	37	230	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
cis-1,2-Dichloroethene	ND	37	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
cis-1,3-Dichloropropene	ND	26	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Dibromochloromethane	ND	25	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Dibromomethane	ND	51	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Dichlorodifluoromethane	ND	24	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(3-4)-20200629**

**A202701-11 (Soil)**

**Date Sampled**  
**06/29/2020 10:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

<b>Diisopropyl Ether</b>	<b>780</b>	65	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Ethylbenzene	ND	9.7	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Hexachlorobutadiene	ND	30	460	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Isopropylbenzene	ND	11	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
<b>m,p-Xylene</b>	<b>25</b>	14	230	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	J
Methyl t-Butyl Ether	ND	20	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Methylene chloride	ND	32	460	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
<b>Naphthalene</b>	<b>60</b>	18	1200	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	J
n-Butyl Benzene	ND	15	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
n-Propyl Benzene	ND	16	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
o-Xylene	ND	14	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
p-Isopropyltoluene	ND	13	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
sec-Butyl Benzene	ND	11	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Styrene	ND	19	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
tert-Butylbenzene	ND	12	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Tetrachloroethene	ND	26	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Tetrahydrofuran	ND	510	2300	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Toluene	ND	19	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
trans-1,2-Dichloroethene	ND	21	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
trans-1,3-Dichloropropene	ND	20	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Trichloroethene	ND	19	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Vinyl chloride	ND	27	120	ug/kg dry	1	06/29/2020	06/29/2020 18:11	EPA 8260B	
Surrogate: Toluene-d8			84.4 %	61.9-110		06/29/2020	06/29/2020 18:11	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			89.4 %	59.1-115		06/29/2020	06/29/2020 18:11	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			75.7 %	80-120		06/29/2020	06/29/2020 18:11	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>71.8</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(4-5)-20200629**

Date Sampled  
**06/29/2020 10:45**

**A202701-12 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

1,1,1,2-Tetrachloroethane	ND	18	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,1,1-Trichloroethane	ND	17	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	14	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>160</b>	15	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	9.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,1-Dichloroethane	ND	21	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,1-Dichloroethene	ND	17	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,1-Dichloropropene	ND	8.3	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2,3-Trichlorobenzene	ND	13	230	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2,3-Trichloropropane	ND	15	120	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2,4-Trichlorobenzene	ND	15	230	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.1	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2-Dichlorobenzene	ND	6.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>1500</b>	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,2-Dichloropropane	ND	18	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,3-Dichlorobenzene	ND	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,3-Dichloropropane	ND	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
1,4-Dichlorobenzene	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
2,2-Dichloropropane	ND	23	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
2-Butanone	ND	420	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
2-Chlorotoluene	ND	6.0	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
2-Hexanone	ND	67	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
4-Chlorotoluene	ND	7.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
4-Methyl-2-pentanone	ND	90	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Acetone	ND	350	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Benzene	ND	3.7	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Bromobenzene	ND	12	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Bromochloromethane	ND	22	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Bromodichloromethane	ND	7.8	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Bromoform	ND	35	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Carbon disulfide	ND	5.3	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Carbon tetrachloride	ND	9.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Chlorobenzene	ND	8.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Chloroform	ND	8.8	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Chloromethane	ND	18	120	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
cis-1,2-Dichloroethene	ND	18	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
cis-1,3-Dichloropropene	ND	13	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Dibromochloromethane	ND	12	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Dibromomethane	ND	25	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Dichlorodifluoromethane	ND	12	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(4-5)-20200629**

Date Sampled  
**06/29/2020 10:45**

**A202701-12 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

<b>Diisopropyl Ether</b>	<b>760</b>	32	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Ethylbenzene	ND	4.8	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Hexachlorobutadiene	ND	15	230	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Isopropylbenzene	ND	5.3	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
m,p-Xylene	ND	7.2	120	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Methyl t-Butyl Ether	ND	9.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Methylene chloride	ND	16	230	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
<b>Naphthalene</b>	<b>32</b>	8.8	580	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	J
n-Butyl Benzene	ND	7.4	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
n-Propyl Benzene	ND	7.8	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
o-Xylene	ND	6.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
p-Isopropyltoluene	ND	6.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
sec-Butyl Benzene	ND	5.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Styrene	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
tert-Butylbenzene	ND	6.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Tetrachloroethene	ND	13	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Tetrahydrofuran	ND	250	1200	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Toluene	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
trans-1,2-Dichloroethene	ND	10	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
<b>Trichloroethene</b>	<b>12</b>	9.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	J
Vinyl chloride	ND	13	58	ug/kg dry	1	06/29/2020	06/30/2020 11:24	EPA 8260B	
Surrogate: Toluene-d8			72.8 %	61.9-110		06/29/2020	06/30/2020 11:24	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			74.0 %	59.1-115		06/29/2020	06/30/2020 11:24	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			62.3 %	80-120		06/29/2020	06/30/2020 11:24	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>70.9</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(11-12)-20200629**

**A202701-13 (Soil)**

**Date Sampled**  
**06/29/2020 10:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1,1-Trichloroethane	ND	9.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1,2-Trichloroethane	ND	8.0	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1-Dichloroethane	ND	12	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1-Dichloroethene	ND	9.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,1-Dichloropropene	ND	4.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.0	130	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2,3-Trichloropropane	ND	8.3	64	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.1	130	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2-Dichlorobenzene	ND	3.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2-Dichloroethane	ND	5.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,2-Dichloropropane	ND	9.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,3-Dichlorobenzene	ND	6.0	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,3-Dichloropropane	ND	5.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
1,4-Dichlorobenzene	ND	5.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
2,2-Dichloropropane	ND	13	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
2-Butanone	ND	230	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
2-Chlorotoluene	ND	3.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
2-Hexanone	ND	37	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
4-Chlorotoluene	ND	3.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
4-Methyl-2-pentanone	ND	50	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Acetone	ND	190	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Benzene	ND	2.0	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Bromobenzene	ND	6.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Bromochloromethane	ND	12	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Bromodichloromethane	ND	4.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Bromoform	ND	19	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Carbon disulfide	ND	2.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Carbon tetrachloride	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Chlorobenzene	ND	4.7	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
<b>Chloroform</b>	<b>10</b>	4.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	J, B
Chloromethane	ND	10	64	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Dibromochloromethane	ND	6.7	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Dibromomethane	ND	14	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Dichlorodifluoromethane	ND	6.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(11-12)-20200629**

**A202701-13 (Soil)**

**Date Sampled**  
**06/29/2020 10:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

<b>Diisopropyl Ether</b>	<b>34</b>	18	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Ethylbenzene	ND	2.7	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Hexachlorobutadiene	ND	8.1	130	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Isopropylbenzene	ND	2.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
m,p-Xylene	ND	3.9	64	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Methyl t-Butyl Ether	ND	5.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Methylene chloride	ND	8.9	130	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Naphthalene	ND	4.8	320	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
n-Butyl Benzene	ND	4.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
n-Propyl Benzene	ND	4.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
o-Xylene	ND	3.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
p-Isopropyltoluene	ND	3.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
sec-Butyl Benzene	ND	3.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Styrene	ND	5.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
tert-Butylbenzene	ND	3.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Tetrachloroethene	ND	7.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Tetrahydrofuran	ND	140	640	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	LC
<b>Toluene</b>	<b>9.5</b>	5.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	J
trans-1,2-Dichloroethene	ND	5.7	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Trichloroethene	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Vinyl chloride	ND	7.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:41	EPA 8260B	
Surrogate: Toluene-d8			82.7 %	61.9-110		06/29/2020	06/29/2020 19:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			77.0 %	59.1-115		06/29/2020	06/29/2020 19:41	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			76.9 %	80-120		06/29/2020	06/29/2020 19:41	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>78.3</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(14-15)-20200629**

**A202701-14 (Soil)**

**Date Sampled**  
**06/29/2020 10:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,1-Trichloroethane	ND	11	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.4	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,2-Trichloroethane	ND	9.8	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.4	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1-Dichloroethane	ND	15	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1-Dichloroethene	ND	11	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,1-Dichloropropene	ND	5.6	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.6	160	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,3-Trichloropropane	ND	10	78	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,4-Trichlorobenzene	ND	10	160	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.5	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	17	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.6	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dichlorobenzene	ND	4.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dichloroethane	ND	7.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,2-Dichloropropane	ND	12	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.7	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,3-Dichlorobenzene	ND	7.3	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,3-Dichloropropane	ND	7.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
1,4-Dichlorobenzene	ND	6.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2,2-Dichloropropane	ND	16	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2-Butanone	ND	280	1600	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2-Chlorotoluene	ND	4.1	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
2-Hexanone	ND	45	1600	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
4-Chlorotoluene	ND	4.8	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
4-Methyl-2-pentanone	ND	61	1600	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Acetone	ND	230	1600	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Benzene	ND	2.5	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromobenzene	ND	8.0	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromochloromethane	ND	15	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromodichloromethane	ND	5.3	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Bromoform	ND	23	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Carbon disulfide	ND	3.6	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Carbon tetrachloride	ND	6.4	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Chlorobenzene	ND	5.8	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Chloroform	ND	5.9	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Chloromethane	ND	12	78	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.7	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Dibromochloromethane	ND	8.3	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Dibromomethane	ND	17	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Dichlorodifluoromethane	ND	8.0	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(14-15)-20200629**

**A202701-14 (Soil)**

**Date Sampled**  
**06/29/2020 10:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

<b>Diisopropyl Ether</b>	<b>68</b>	22	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Ethylbenzene	ND	3.3	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Hexachlorobutadiene	ND	10	160	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Isopropylbenzene	ND	3.6	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
m,p-Xylene	ND	4.8	78	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Methyl t-Butyl Ether	ND	6.7	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
<b>Methylene chloride</b>	<b>12</b>	11	160	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	J
<b>Naphthalene</b>	<b>15</b>	5.9	390	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	J
n-Butyl Benzene	ND	5.0	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
n-Propyl Benzene	ND	5.3	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
o-Xylene	ND	4.7	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
p-Isopropyltoluene	ND	4.4	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
sec-Butyl Benzene	ND	3.7	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Styrene	ND	6.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
tert-Butylbenzene	ND	4.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Tetrachloroethene	ND	8.9	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Tetrahydrofuran	ND	170	780	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
<b>Toluene</b>	<b>9.4</b>	6.2	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	J
trans-1,2-Dichloroethene	ND	7.0	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.7	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Trichloroethene	ND	6.4	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Vinyl chloride	ND	9.1	39	ug/kg dry	1	06/29/2020	06/29/2020 18:56	EPA 8260B	
Surrogate: Toluene-d8			81.5 %	61.9-110		06/29/2020	06/29/2020 18:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			90.4 %	59.1-115		06/29/2020	06/29/2020 18:56	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			76.1 %	80-120		06/29/2020	06/29/2020 18:56	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>73.6</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(15-16)-20200629**

**A202701-15 (Soil)**

**Date Sampled**  
**06/29/2020 11:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1,1-Trichloroethane	ND	9.5	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.8	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1,2-Trichloroethane	ND	8.2	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1-Dichloroethane	ND	12	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1-Dichloroethene	ND	9.5	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,1-Dichloropropene	ND	4.7	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.2	130	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2,3-Trichloropropane	ND	8.5	65	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.3	130	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.4	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2-Dichlorobenzene	ND	3.5	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2-Dichloroethane	ND	6.0	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,2-Dichloropropane	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.1	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,3-Dichlorobenzene	ND	6.1	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,3-Dichloropropane	ND	6.0	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
1,4-Dichlorobenzene	ND	5.2	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
2,2-Dichloropropane	ND	13	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
2-Butanone	ND	230	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
2-Chlorotoluene	ND	3.4	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
2-Hexanone	ND	38	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
4-Chlorotoluene	ND	4.0	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
4-Methyl-2-pentanone	ND	51	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Acetone	ND	200	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Benzene	ND	2.1	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Bromobenzene	ND	6.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Bromochloromethane	ND	12	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Bromodichloromethane	ND	4.4	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Bromoform	ND	20	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Carbon disulfide	ND	3.0	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Carbon tetrachloride	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Chlorobenzene	ND	4.8	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Chloroform	ND	4.9	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Chloromethane	ND	10	65	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.3	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Dibromochloromethane	ND	6.9	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Dibromomethane	ND	14	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Dichlorodifluoromethane	ND	6.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-6(15-16)-20200629**

**A202701-15 (Soil)**

**Date Sampled**  
**06/29/2020 11:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

<b>Diisopropyl Ether</b>	<b>55</b>	18	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Ethylbenzene	ND	2.7	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Hexachlorobutadiene	ND	8.3	130	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Isopropylbenzene	ND	3.0	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
m,p-Xylene	ND	4.0	65	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Methyl t-Butyl Ether	ND	5.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Methylene chloride	ND	9.1	130	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
<b>Naphthalene</b>	<b>24</b>	4.9	330	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	J
n-Butyl Benzene	ND	4.2	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
n-Propyl Benzene	ND	4.4	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
o-Xylene	ND	3.9	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
p-Isopropyltoluene	ND	3.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
sec-Butyl Benzene	ND	3.1	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Styrene	ND	5.2	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
tert-Butylbenzene	ND	3.5	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Tetrachloroethene	ND	7.4	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Tetrahydrofuran	ND	140	650	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
<b>Toluene</b>	<b>7.2</b>	5.2	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	J
trans-1,2-Dichloroethene	ND	5.9	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Trichloroethene	ND	5.3	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Vinyl chloride	ND	7.6	33	ug/kg dry	1	06/29/2020	06/29/2020 19:22	EPA 8260B	
Surrogate: Toluene-d8			70.5 %	61.9-110		06/29/2020	06/29/2020 19:22	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			75.4 %	59.1-115		06/29/2020	06/29/2020 19:22	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			65.4 %	80-120		06/29/2020	06/29/2020 19:22	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>81.6</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(1-2)-20200629**

**A202701-16 (Soil)**

**Date Sampled**  
**06/29/2020 11:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	8.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1,1-Trichloroethane	ND	8.0	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	6.6	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1,2-Trichloroethane	ND	6.9	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1-Dichloroethane	ND	10	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1-Dichloroethene	ND	8.0	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,1-Dichloropropene	ND	4.0	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.1	110	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2,3-Trichloropropane	ND	7.2	55	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.0	110	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.9	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	12	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.4	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2-Dichlorobenzene	ND	3.0	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2-Dichloroethane	ND	5.1	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,2-Dichloropropane	ND	8.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.6	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,3-Dichlorobenzene	ND	5.2	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,3-Dichloropropane	ND	5.1	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
1,4-Dichlorobenzene	ND	4.4	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
2,2-Dichloropropane	ND	11	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
2-Butanone	ND	200	1100	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
2-Chlorotoluene	ND	2.9	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
2-Hexanone	ND	32	1100	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
4-Chlorotoluene	ND	3.4	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
4-Methyl-2-pentanone	ND	43	1100	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Acetone	ND	170	1100	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Benzene	ND	1.8	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Bromobenzene	ND	5.6	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Bromochloromethane	ND	11	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Bromodichloromethane	ND	3.7	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Bromoform	ND	17	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Carbon disulfide	ND	2.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Carbon tetrachloride	ND	4.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Chlorobenzene	ND	4.1	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Chloroform	ND	4.2	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Chloromethane	ND	8.7	55	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
cis-1,2-Dichloroethene	ND	8.8	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.2	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Dibromochloromethane	ND	5.8	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Dibromomethane	ND	12	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Dichlorodifluoromethane	ND	5.6	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(1-2)-20200629**

**A202701-16 (Soil)**

**Date Sampled**  
**06/29/2020 11:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	15	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Ethylbenzene	ND	2.3	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Hexachlorobutadiene	ND	7.0	110	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Isopropylbenzene	ND	2.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
m,p-Xylene	ND	3.4	55	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Methyl t-Butyl Ether	ND	4.7	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Methylene chloride	ND	7.7	110	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
<b>Naphthalene</b>	<b>21</b>	4.2	280	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	J
n-Butyl Benzene	ND	3.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
n-Propyl Benzene	ND	3.7	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
o-Xylene	ND	3.3	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
p-Isopropyltoluene	ND	3.1	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
sec-Butyl Benzene	ND	2.6	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Styrene	ND	4.4	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
tert-Butylbenzene	ND	3.0	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Tetrachloroethene	ND	6.3	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Tetrahydrofuran	ND	120	550	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Toluene	ND	4.4	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.0	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
trans-1,3-Dichloropropene	ND	4.7	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Trichloroethene	ND	4.5	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Vinyl chloride	ND	6.4	28	ug/kg dry	1	06/29/2020	06/29/2020 19:48	EPA 8260B	
Surrogate: Toluene-d8			40.9 %	61.9-110		06/29/2020	06/29/2020 19:48	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			44.9 %	59.1-115		06/29/2020	06/29/2020 19:48	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			38.1 %	80-120		06/29/2020	06/29/2020 19:48	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>82.8</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(7-8)-20200629**

**A202701-17 (Soil)**

**Date Sampled**  
**06/29/2020 11:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	100	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1,1-Trichloroethane	ND	98	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	80	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1,2-Trichloroethane	ND	84	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	55	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1-Dichloroethane	ND	120	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1-Dichloroethene	ND	98	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,1-Dichloropropene	ND	48	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2,3-Trichlorobenzene	ND	73	1300	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2,3-Trichloropropane	ND	87	670	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2,4-Trichlorobenzene	ND	85	1300	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2,4-Trimethylbenzene	ND	47	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	150	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	65	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2-Dichlorobenzene	ND	36	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2-Dichloroethane	ND	61	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,2-Dichloropropane	ND	100	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,3,5-Trimethylbenzene	ND	32	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,3-Dichlorobenzene	ND	63	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,3-Dichloropropane	ND	61	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
1,4-Dichlorobenzene	ND	53	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
2,2-Dichloropropane	ND	130	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
2-Butanone	ND	2400	13000	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
2-Chlorotoluene	ND	35	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
2-Hexanone	ND	390	13000	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
4-Chlorotoluene	ND	41	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
4-Methyl-2-pentanone	ND	520	13000	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Acetone	ND	2000	13000	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Benzene	ND	21	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Bromobenzene	ND	68	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Bromochloromethane	ND	130	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Bromodichloromethane	ND	45	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Bromoform	ND	200	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Carbon disulfide	ND	31	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Carbon tetrachloride	ND	55	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Chlorobenzene	ND	49	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
<b>Chloroform</b>	<b>93</b>	51	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	J, B
Chloromethane	ND	110	670	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
cis-1,2-Dichloroethene	ND	110	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
cis-1,3-Dichloropropene	ND	75	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Dibromochloromethane	ND	71	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Dibromomethane	ND	150	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Dichlorodifluoromethane	ND	68	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(7-8)-20200629**

**A202701-17 (Soil)**

**Date Sampled**  
**06/29/2020 11:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	190	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Ethylbenzene	ND	28	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Hexachlorobutadiene	ND	85	1300	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Isopropylbenzene	ND	31	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
m,p-Xylene	ND	41	670	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Methyl t-Butyl Ether	ND	57	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Methylene chloride	ND	93	1300	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Naphthalene	ND	51	3300	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
n-Butyl Benzene	ND	43	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
n-Propyl Benzene	ND	45	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
o-Xylene	ND	40	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
p-Isopropyltoluene	ND	37	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
sec-Butyl Benzene	ND	32	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Styrene	ND	53	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
tert-Butylbenzene	ND	36	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Tetrachloroethene	ND	76	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Tetrahydrofuran	ND	1500	6700	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	LC
Toluene	ND	53	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
trans-1,2-Dichloroethene	ND	60	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
trans-1,3-Dichloropropene	ND	57	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Trichloroethene	ND	55	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Vinyl chloride	ND	77	330	ug/kg dry	1	06/29/2020	06/29/2020 20:09	EPA 8260B	
Surrogate: Toluene-d8			82.3 %	61.9-110		06/29/2020	06/29/2020 20:09	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			76.9 %	59.1-115		06/29/2020	06/29/2020 20:09	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			76.3 %	80-120		06/29/2020	06/29/2020 20:09	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>21.0</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(11-12)-20200629**

**A202701-18 (Soil)**

**Date Sampled**  
**06/29/2020 11:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.4	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1,1-Trichloroethane	ND	8.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.3	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1,2-Trichloroethane	ND	7.7	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.0	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1-Dichloroethane	ND	11	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1-Dichloroethene	ND	8.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,1-Dichloropropene	ND	4.4	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.7	120	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2,3-Trichloropropane	ND	7.9	61	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.8	120	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.3	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.0	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2-Dichlorobenzene	ND	3.3	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2-Dichloroethane	ND	5.6	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,2-Dichloropropane	ND	9.4	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,3-Dichlorobenzene	ND	5.7	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,3-Dichloropropane	ND	5.6	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
1,4-Dichlorobenzene	ND	4.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
2,2-Dichloropropane	ND	12	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
2-Butanone	ND	220	1200	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
2-Chlorotoluene	ND	3.2	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
2-Hexanone	ND	35	1200	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
4-Chlorotoluene	ND	3.8	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
4-Methyl-2-pentanone	ND	48	1200	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Benzene	ND	2.0	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Bromobenzene	ND	6.2	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Bromochloromethane	ND	12	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Bromodichloromethane	ND	4.2	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Bromoform	ND	18	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Carbon disulfide	ND	2.8	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Carbon tetrachloride	ND	5.0	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Chlorobenzene	ND	4.5	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
<b>Chloroform</b>	<b>8.6</b>	4.6	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	J, B
Chloromethane	ND	9.7	61	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.8	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.8	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Dibromochloromethane	ND	6.5	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Dibromomethane	ND	13	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Dichlorodifluoromethane	ND	6.2	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(11-12)-20200629**

**A202701-18 (Soil)**

**Date Sampled**  
**06/29/2020 11:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	17	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Ethylbenzene	ND	2.6	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Hexachlorobutadiene	ND	7.8	120	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Isopropylbenzene	ND	2.8	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
m,p-Xylene	ND	3.8	61	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Methyl t-Butyl Ether	ND	5.3	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Methylene chloride	ND	8.6	120	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
<b>Naphthalene</b>	<b>14</b>	4.6	310	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	J
n-Butyl Benzene	ND	3.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
n-Propyl Benzene	ND	4.2	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
o-Xylene	ND	3.7	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
p-Isopropyltoluene	ND	3.4	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
sec-Butyl Benzene	ND	2.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Styrene	ND	4.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
tert-Butylbenzene	ND	3.3	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Tetrachloroethene	ND	7.0	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Tetrahydrofuran	ND	130	610	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	LC
Toluene	ND	4.9	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.5	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.3	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Trichloroethene	ND	5.0	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	
Vinyl chloride	ND	7.1	31	ug/kg dry	1	06/29/2020	06/29/2020 20:36	EPA 8260B	

Surrogate: Toluene-d8

92.8 % 61.9-110

06/29/2020 06/29/2020 20:36 EPA 8260B

Surrogate: 4-Bromofluorobenzene

88.9 % 59.1-115

06/29/2020 06/29/2020 20:36 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

88.3 % 80-120

06/29/2020 06/29/2020 20:36 EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>79.2</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(13-14)-20200629**

**A202701-19 (Soil)**

**Date Sampled**  
**06/29/2020 11:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1,1-Trichloroethane	ND	10	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.4	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1,2-Trichloroethane	ND	8.8	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.7	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1-Dichloroethane	ND	13	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1-Dichloroethene	ND	10	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,1-Dichloropropene	ND	5.0	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.7	140	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2,3-Trichloropropane	ND	9.1	70	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.9	140	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.9	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	15	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.8	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2-Dichlorobenzene	ND	3.8	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2-Dichloroethane	ND	6.4	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,2-Dichloropropane	ND	11	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.3	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,3-Dichlorobenzene	ND	6.6	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,3-Dichloropropane	ND	6.4	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
1,4-Dichlorobenzene	ND	5.6	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
2,2-Dichloropropane	ND	14	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
2-Butanone	ND	250	1400	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
2-Chlorotoluene	ND	3.6	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
2-Hexanone	ND	40	1400	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
4-Chlorotoluene	ND	4.3	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
4-Methyl-2-pentanone	ND	54	1400	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Benzene	ND	2.2	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Bromobenzene	ND	7.1	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Bromochloromethane	ND	13	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Bromodichloromethane	ND	4.7	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Bromoform	ND	21	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Carbon disulfide	ND	3.2	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Carbon tetrachloride	ND	5.7	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Chlorobenzene	ND	5.2	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
<b>Chloroform</b>	<b>10</b>	5.3	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	J, B
Chloromethane	ND	11	70	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.8	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Dibromochloromethane	ND	7.4	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Dibromomethane	ND	15	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Dichlorodifluoromethane	ND	7.1	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-2(13-14)-20200629**

**A202701-19 (Soil)**

**Date Sampled**  
**06/29/2020 11:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	20	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Ethylbenzene	ND	2.9	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Hexachlorobutadiene	ND	8.9	140	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Isopropylbenzene	ND	3.2	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
m,p-Xylene	ND	4.3	70	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Methyl t-Butyl Ether	ND	6.0	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Methylene chloride	ND	9.8	140	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Naphthalene	ND	5.3	350	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
n-Butyl Benzene	ND	4.5	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
n-Propyl Benzene	ND	4.7	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
o-Xylene	ND	4.2	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
p-Isopropyltoluene	ND	3.9	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
sec-Butyl Benzene	ND	3.3	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Styrene	ND	5.6	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
tert-Butylbenzene	ND	3.8	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Tetrachloroethene	ND	8.0	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Tetrahydrofuran	ND	150	700	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	LC
Toluene	ND	5.6	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.3	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.0	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Trichloroethene	ND	5.7	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Vinyl chloride	ND	8.1	35	ug/kg dry	1	06/29/2020	06/29/2020 21:58	EPA 8260B	
Surrogate: Toluene-d8			91.0 %	61.9-110		06/29/2020	06/29/2020 21:58	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			87.1 %	59.1-115		06/29/2020	06/29/2020 21:58	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			88.7 %	80-120		06/29/2020	06/29/2020 21:58	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>74.4</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(2-3)-20200629**

**A202701-20 (Soil)**

**Date Sampled**  
**06/29/2020 11:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,1,1-Trichloroethane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.7	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>17</b>	9.2	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	J
1,1,2-Trichlorotrifluoroethane	ND	6.0	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,1-Dichloroethane	ND	14	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,1-Dichloroethene	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,1-Dichloropropene	ND	5.2	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	150	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2,3-Trichloropropane	ND	9.5	73	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.3	150	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.1	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	16	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.1	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,2-Dichlorobenzene	ND	3.9	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>31</b>	6.7	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	J
1,2-Dichloropropane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.5	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,3-Dichlorobenzene	ND	6.8	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,3-Dichloropropane	ND	6.7	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
1,4-Dichlorobenzene	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
2,2-Dichloropropane	ND	15	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
2-Butanone	ND	260	1500	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
2-Chlorotoluene	ND	3.8	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
2-Hexanone	ND	42	1500	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
4-Chlorotoluene	ND	4.5	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
4-Methyl-2-pentanone	ND	57	1500	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Acetone	ND	220	1500	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Benzene	ND	2.3	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Bromobenzene	ND	7.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Bromochloromethane	ND	14	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Bromodichloromethane	ND	5.0	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Bromoform	ND	22	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Carbon disulfide	ND	3.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Carbon tetrachloride	ND	6.0	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Chlorobenzene	ND	5.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>Chloroform</b>	<b>8.0</b>	5.5	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	J, B
Chloromethane	ND	12	73	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.2	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Dibromochloromethane	ND	7.7	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Dibromomethane	ND	16	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Dichlorodifluoromethane	ND	7.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(2-3)-20200629**

**A202701-20 (Soil)**

**Date Sampled**  
**06/29/2020 11:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006205**

Diisopropyl Ether	ND	20	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Ethylbenzene	ND	3.1	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Hexachlorobutadiene	ND	9.3	150	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Isopropylbenzene	ND	3.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>m,p-Xylene</b>	<b>5.1</b>	4.5	73	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	J
Methyl t-Butyl Ether	ND	6.3	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Methylene chloride	ND	10	150	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>Naphthalene</b>	<b>290</b>	5.5	360	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	J
n-Butyl Benzene	ND	4.7	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
n-Propyl Benzene	ND	5.0	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
o-Xylene	ND	4.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
p-Isopropyltoluene	ND	4.1	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
sec-Butyl Benzene	ND	3.5	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Styrene	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
tert-Butylbenzene	ND	3.9	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>Tetrachloroethene</b>	<b>36</b>	8.3	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Tetrahydrofuran	ND	160	730	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	LC
Toluene	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.6	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.3	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
<b>Trichloroethene</b>	<b>15</b>	6.0	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	J
Vinyl chloride	ND	8.4	36	ug/kg dry	1	06/29/2020	06/29/2020 22:25	EPA 8260B	
Surrogate: Toluene-d8			96.4 %	61.9-110		06/29/2020	06/29/2020 22:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			92.1 %	59.1-115		06/29/2020	06/29/2020 22:25	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			92.5 %	80-120		06/29/2020	06/29/2020 22:25	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006203**

<b>% Solids</b>	<b>88.0</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(6-7)-20200629**

**A202701-21 (Soil)**

**Date Sampled**  
**06/29/2020 11:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	18	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,1,1-Trichloroethane	ND	17	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	14	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>990</b>	15	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	9.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	E1
1,1-Dichloroethane	ND	21	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>22</b>	17	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	E1, J
1,1-Dichloropropene	ND	8.3	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	13	230	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2,3-Trichloropropane	ND	15	120	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2,4-Trichlorobenzene	ND	15	230	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.1	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2-Dichlorobenzene	ND	6.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>5100</b>	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,2-Dichloropropane	ND	18	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,3-Dichlorobenzene	ND	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,3-Dichloropropane	ND	11	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
1,4-Dichlorobenzene	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
2,2-Dichloropropane	ND	23	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
2-Butanone	ND	420	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
2-Chlorotoluene	ND	6.0	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
2-Hexanone	ND	67	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
4-Chlorotoluene	ND	7.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
4-Methyl-2-pentanone	ND	90	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Acetone	ND	350	2300	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Benzene	ND	3.7	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Bromobenzene	ND	12	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Bromochloromethane	ND	22	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Bromodichloromethane	ND	7.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Bromoform	ND	35	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Carbon disulfide	ND	5.3	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	E1
Carbon tetrachloride	ND	9.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Chlorobenzene	ND	8.6	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Chloroform	ND	8.8	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Chloromethane	ND	18	120	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
cis-1,2-Dichloroethene	ND	18	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
cis-1,3-Dichloropropene	ND	13	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Dibromochloromethane	ND	12	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Dibromomethane	ND	25	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Dichlorodifluoromethane	ND	12	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(6-7)-20200629**

**A202701-21 (Soil)**

**Date Sampled**  
**06/29/2020 11:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

<b>Diisopropyl Ether</b>	<b>120</b>	32	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Ethylbenzene	ND	4.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Hexachlorobutadiene	ND	15	230	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Isopropylbenzene	ND	5.3	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
m,p-Xylene	ND	7.2	120	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Methyl t-Butyl Ether	ND	9.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	E1
Methylene chloride	ND	16	230	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	E1
<b>Naphthalene</b>	<b>22</b>	8.8	580	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	J
n-Butyl Benzene	ND	7.4	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
n-Propyl Benzene	ND	7.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
o-Xylene	ND	6.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
p-Isopropyltoluene	ND	6.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
sec-Butyl Benzene	ND	5.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Styrene	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
tert-Butylbenzene	ND	6.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Tetrachloroethene	ND	13	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Tetrahydrofuran	ND	250	1200	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
Toluene	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
trans-1,2-Dichloroethene	ND	10	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	9.9	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
<b>Trichloroethene</b>	<b>23</b>	9.5	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	J
Vinyl chloride	ND	13	58	ug/kg dry	1	06/29/2020	06/30/2020 11:51	EPA 8260B	
<i>Surrogate: Toluene-d8</i>			60.3 %	61.9-110		06/29/2020	06/30/2020 11:51	EPA 8260B	S
<i>Surrogate: 4-Bromofluorobenzene</i>			57.9 %	59.1-115		06/29/2020	06/30/2020 11:51	EPA 8260B	S
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			49.9 %	80-120		06/29/2020	06/30/2020 11:51	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>64.3</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(9-10)-20200629**

**A202701-22 (Soil)**

**Date Sampled**  
**06/29/2020 11:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,1,1-Trichloroethane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,1,2-Trichloroethane	ND	9.2	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	E1
1,1-Dichloroethane	ND	14	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>76</b>	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	E1
1,1-Dichloropropene	ND	5.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.0	150	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,2,3-Trichloropropane	ND	9.5	73	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.3	150	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>5.1</b>	5.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	16	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.2	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,2-Dichlorobenzene	ND	3.9	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>1900</b>	6.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,2-Dichloropropane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>1,3,5-Trimethylbenzene</b>	<b>4.4</b>	3.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
1,3-Dichlorobenzene	ND	6.9	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,3-Dichloropropane	ND	6.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
1,4-Dichlorobenzene	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
2,2-Dichloropropane	ND	15	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
2-Butanone	ND	260	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
2-Chlorotoluene	ND	3.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
2-Hexanone	ND	42	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
4-Chlorotoluene	ND	4.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
4-Methyl-2-pentanone	ND	57	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Acetone	ND	220	1500	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>Benzene</b>	<b>6.6</b>	2.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
Bromobenzene	ND	7.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Bromochloromethane	ND	14	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Bromodichloromethane	ND	5.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Bromoform	ND	22	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Carbon disulfide	ND	3.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	E1
Carbon tetrachloride	ND	6.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Chlorobenzene	ND	5.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>Chloroform</b>	<b>11</b>	5.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	B, J
Chloromethane	ND	12	73	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>35</b>	12	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
cis-1,3-Dichloropropene	ND	8.2	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Dibromochloromethane	ND	7.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Dibromomethane	ND	16	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Dichlorodifluoromethane	ND	7.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(9-10)-20200629**

Date Sampled

**A202701-22 (Soil)**

**06/29/2020 11:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

<b>Diisopropyl Ether</b>	<b>34</b>	20	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
Ethylbenzene	ND	3.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Hexachlorobutadiene	ND	9.3	150	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Isopropylbenzene	ND	3.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>m,p-Xylene</b>	<b>9.5</b>	4.5	73	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
Methyl t-Butyl Ether	ND	6.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	E1
Methylene chloride	ND	10	150	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	E1
Naphthalene	ND	5.5	360	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
n-Butyl Benzene	ND	4.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
n-Propyl Benzene	ND	5.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
o-Xylene	ND	4.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>p-Isopropyltoluene</b>	<b>8.0</b>	4.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
sec-Butyl Benzene	ND	3.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Styrene	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
tert-Butylbenzene	ND	3.9	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Tetrachloroethene	ND	8.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
Tetrahydrofuran	ND	160	730	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	LC
<b>Toluene</b>	<b>8.0</b>	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	J
<b>trans-1,2-Dichloroethene</b>	<b>13</b>	6.6	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	E1, J
trans-1,3-Dichloropropene	ND	6.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>Trichloroethene</b>	<b>120</b>	6.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	
<b>Vinyl chloride</b>	<b>450</b>	8.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:19	EPA 8260B	

Surrogate: Toluene-d8

96.4 % 61.9-110

06/29/2020

06/29/2020 18:19

EPA 8260B

Surrogate: 4-Bromofluorobenzene

90.5 % 59.1-115

06/29/2020

06/29/2020 18:19

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

91.7 % 80-120

06/29/2020

06/29/2020 18:19

EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>73.8</b>	0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(12-13)-20200629**

**A202701-23 (Soil)**

**Date Sampled**  
**06/29/2020 11:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,1,1-Trichloroethane	ND	10	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,1,2-Trichloroethane	ND	9.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	E1
1,1-Dichloroethane	ND	13	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,1-Dichloroethene	ND	10	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	E1
1,1-Dichloropropene	ND	5.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.8	140	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2,3-Trichloropropane	ND	9.2	71	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.1	140	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	16	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2-Dichlorobenzene	ND	3.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>58</b>	6.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,2-Dichloropropane	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,3-Dichlorobenzene	ND	6.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,3-Dichloropropane	ND	6.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
1,4-Dichlorobenzene	ND	5.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
2,2-Dichloropropane	ND	14	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
2-Butanone	ND	260	1400	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
2-Chlorotoluene	ND	3.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
2-Hexanone	ND	41	1400	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
4-Chlorotoluene	ND	4.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
4-Methyl-2-pentanone	ND	55	1400	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Benzene	ND	2.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Bromobenzene	ND	7.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Bromochloromethane	ND	14	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Bromodichloromethane	ND	4.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Bromoform	ND	21	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Carbon disulfide	ND	3.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	E1
Carbon tetrachloride	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Chlorobenzene	ND	5.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
<b>Chloroform</b>	<b>11</b>	5.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	B, J
Chloromethane	ND	11	71	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Dibromochloromethane	ND	7.5	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Dibromomethane	ND	16	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Dichlorodifluoromethane	ND	7.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(12-13)-20200629**

**A202701-23 (Soil)**

**Date Sampled**  
**06/29/2020 11:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Diisopropyl Ether	ND	20	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Ethylbenzene	ND	3.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Hexachlorobutadiene	ND	9.1	140	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Isopropylbenzene	ND	3.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
m,p-Xylene	ND	4.4	71	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Methyl t-Butyl Ether	ND	6.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	E1
Methylene chloride	ND	10	140	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	E1
Naphthalene	ND	5.4	360	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
n-Butyl Benzene	ND	4.6	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
n-Propyl Benzene	ND	4.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
o-Xylene	ND	4.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
p-Isopropyltoluene	ND	4.0	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
sec-Butyl Benzene	ND	3.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Styrene	ND	5.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
tert-Butylbenzene	ND	3.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Tetrachloroethene	ND	8.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Tetrahydrofuran	ND	160	710	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	LC
Toluene	ND	5.7	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
<b>trans-1,2-Dichloroethene</b>	<b>10</b>	6.4	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	E1, J
trans-1,3-Dichloropropene	ND	6.1	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
Trichloroethene	ND	5.8	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	
<b>Vinyl chloride</b>	<b>9.2</b>	8.3	36	ug/kg dry	1	06/29/2020	06/29/2020 18:47	EPA 8260B	J
Surrogate: Toluene-d8			81.8 %	61.9-110		06/29/2020	06/29/2020 18:47	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			78.2 %	59.1-115		06/29/2020	06/29/2020 18:47	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			75.7 %	80-120		06/29/2020	06/29/2020 18:47	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>73.0</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(17-18)-20200629**

**A202701-24 (Soil)**

**Date Sampled**  
**06/29/2020 11:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	10	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,1,1-Trichloroethane	ND	9.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,1,2-Trichloroethane	ND	8.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	E1
1,1-Dichloroethane	ND	12	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,1-Dichloroethene	ND	9.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	E1
1,1-Dichloropropene	ND	4.7	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.1	130	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2,3-Trichloropropane	ND	8.4	65	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.3	130	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2-Dichlorobenzene	ND	3.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>33</b>	5.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,2-Dichloropropane	ND	10	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,3-Dichlorobenzene	ND	6.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,3-Dichloropropane	ND	5.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
1,4-Dichlorobenzene	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
2,2-Dichloropropane	ND	13	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
2-Butanone	ND	230	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
2-Chlorotoluene	ND	3.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
2-Hexanone	ND	37	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
4-Chlorotoluene	ND	4.0	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
4-Methyl-2-pentanone	ND	50	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Acetone	ND	190	1300	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Benzene	ND	2.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Bromobenzene	ND	6.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Bromochloromethane	ND	12	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Bromodichloromethane	ND	4.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Bromoform	ND	19	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Carbon disulfide	ND	3.0	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	E1
Carbon tetrachloride	ND	5.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Chlorobenzene	ND	4.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
<b>Chloroform</b>	<b>10</b>	4.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	B, J
Chloromethane	ND	10	65	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Dibromochloromethane	ND	6.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Dibromomethane	ND	14	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Dichlorodifluoromethane	ND	6.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-GP-7(17-18)-20200629**

**A202701-24 (Soil)**

**Date Sampled**  
**06/29/2020 11:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Diisopropyl Ether	ND	18	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Ethylbenzene	ND	2.7	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Hexachlorobutadiene	ND	8.3	130	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Isopropylbenzene	ND	3.0	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
m,p-Xylene	ND	4.0	65	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Methyl t-Butyl Ether	ND	5.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	E1
Methylene chloride	ND	9.0	130	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	E1
Naphthalene	ND	4.9	320	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
n-Butyl Benzene	ND	4.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
n-Propyl Benzene	ND	4.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
o-Xylene	ND	3.9	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
p-Isopropyltoluene	ND	3.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
sec-Butyl Benzene	ND	3.1	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Styrene	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
tert-Butylbenzene	ND	3.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Tetrachloroethene	ND	7.4	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Tetrahydrofuran	ND	140	650	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	LC
Toluene	ND	5.2	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
<b>trans-1,2-Dichloroethene</b>	<b>7.1</b>	5.8	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	E1, J
trans-1,3-Dichloropropene	ND	5.6	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
Trichloroethene	ND	5.3	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	
<b>Vinyl chloride</b>	<b>10</b>	7.5	32	ug/kg dry	1	06/29/2020	06/29/2020 19:14	EPA 8260B	J
Surrogate: Toluene-d8			94.3 %	61.9-110		06/29/2020	06/29/2020 19:14	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			89.3 %	59.1-115		06/29/2020	06/29/2020 19:14	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			89.1 %	80-120		06/29/2020	06/29/2020 19:14	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>76.7</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006205 - EPA 5030B**

**Blank (A006205-BLK1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 16:30

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	8.0	25	ug/kg wet							J
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006205 - EPA 5030B**

**Blank (A006205-BLK1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 16:30

m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
<i>Surrogate: Toluene-d8</i>	489		ug/kg wet	500.0		97.7	61.9-110			
<i>Surrogate: 4-Bromofluorobenzene</i>	451		ug/kg wet	500.0		90.1	59.1-115			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	448		ug/kg wet	500.0		89.6	80-120			

**LCS (A006205-BS1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 20:15

1,1,1,2-Tetrachloroethane	232	25	ug/kg wet	249.3		93.2	85.9-112			
1,1,1-Trichloroethane	250	25	ug/kg wet	249.3		100	73.1-128			
1,1,2,2-Tetrachloroethane	258	25	ug/kg wet	249.3		103	76-118			
1,1,2-Trichloroethane	242	25	ug/kg wet	249.3		97.0	82.5-115			
1,1,2-Trichlorotrifluoroethane	246	25	ug/kg wet	249.3		98.6	63.5-140			
1,1-Dichloroethane	247	25	ug/kg wet	249.3		99.2	73-123			
1,1-Dichloroethene	237	25	ug/kg wet	249.3		95.2	56.6-131			
1,1-Dichloropropene	237	25	ug/kg wet	249.3		95.0	82.8-113			
1,2,3-Trichlorobenzene	253	100	ug/kg wet	249.3		101	79.2-108			
1,2,3-Trichloropropane	254	50	ug/kg wet	249.3		102	76.9-118			
1,2,4-Trichlorobenzene	250	100	ug/kg wet	249.3		100	75.5-109			
1,2,4-Trimethylbenzene	258	25	ug/kg wet	249.3		104	84.8-111			
1,2-Dibromo-3-chloropropane	236	25	ug/kg wet	249.3		94.8	64.6-118			
1,2-Dibromoethane (EDB)	248	25	ug/kg wet	249.3		99.4	83.4-112			
1,2-Dichlorobenzene	244	25	ug/kg wet	249.3		98.0	80-120			
1,2-Dichloroethane	252	25	ug/kg wet	249.3		101	67.3-134			
1,2-Dichloropropane	246	25	ug/kg wet	249.3		98.8	82.8-111			
1,3,5-Trimethylbenzene	259	25	ug/kg wet	249.3		104	85.5-111			
1,3-Dichlorobenzene	247	25	ug/kg wet	249.3		99.0	80-120			
1,3-Dichloropropane	245	25	ug/kg wet	249.3		98.4	83.5-113			
1,4-Dichlorobenzene	248	25	ug/kg wet	249.3		99.4	80-120			
2,2-Dichloropropane	247	25	ug/kg wet	249.3		99.2	69.7-125			
2-Butanone	2590	1000	ug/kg wet	2493		104	67.8-128			
2-Chlorotoluene	261	25	ug/kg wet	249.3		105	80-120			
2-Hexanone	2500	1000	ug/kg wet	2493		100	73.5-124			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006205 - EPA 5030B**

**LCS (A006205-BS1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 20:15

4-Chlorotoluene	258	25	ug/kg wet	249.3		104	83.4-111			
4-Methyl-2-pentanone	2510	1000	ug/kg wet	2493		101	77.8-123			
Acetone	2560	1000	ug/kg wet	2493		103	40.1-182			
Benzene	236	25	ug/kg wet	249.3		94.6	77.1-115			
Bromobenzene	243	25	ug/kg wet	249.3		97.6	80-120			
Bromochloromethane	227	25	ug/kg wet	249.3		91.2	76.8-121			
Bromodichloromethane	235	25	ug/kg wet	249.3		94.4	78.9-117			
Bromoform	223	25	ug/kg wet	249.3		89.6	70.9-116			
Carbon disulfide	224	25	ug/kg wet	249.3		89.8	50.7-131			
Carbon tetrachloride	250	25	ug/kg wet	249.3		100	70.8-119			
Chlorobenzene	242	25	ug/kg wet	249.3		97.2	81.2-111			
Chloroform	246	25	ug/kg wet	249.3		98.8	72.4-127			B
Chloromethane	215	50	ug/kg wet	249.3		86.4	52.6-126			
cis-1,2-Dichloroethene	240	25	ug/kg wet	249.3		96.2	76-115			
cis-1,3-Dichloropropene	235	25	ug/kg wet	249.3		94.4	80-120			
Dibromochloromethane	228	25	ug/kg wet	249.3		91.6	78-115			
Dibromomethane	241	25	ug/kg wet	249.3		96.6	81.6-117			
Dichlorodifluoromethane	197	25	ug/kg wet	249.3		79.2	39.6-115			
Diisopropyl Ether	238	25	ug/kg wet	249.3		95.4	77.5-120			
Ethylbenzene	246	25	ug/kg wet	249.3		98.6	82.3-110			
Hexachlorobutadiene	250	100	ug/kg wet	249.3		100	80.1-115			
Isopropylbenzene	257	25	ug/kg wet	249.3		103	82.9-114			
m,p-Xylene	483	50	ug/kg wet	498.5		96.9	81.8-111			
Methyl t-Butyl Ether	232	25	ug/kg wet	249.3		93.0	75.4-124			
Methylene chloride	225	100	ug/kg wet	249.3		90.4	62.2-132			
Naphthalene	258	250	ug/kg wet	249.3		103	67.8-111			
n-Butyl Benzene	267	25	ug/kg wet	249.3		107	78.8-115			
n-Propyl Benzene	273	25	ug/kg wet	249.3		109	82.9-111			
o-Xylene	244	25	ug/kg wet	249.3		97.8	81.5-111			
p-Isopropyltoluene	260	25	ug/kg wet	249.3		104	83.3-111			
sec-Butyl Benzene	269	25	ug/kg wet	249.3		108	83.4-113			
Styrene	242	25	ug/kg wet	249.3		97.0	81.5-110			
tert-Butylbenzene	256	25	ug/kg wet	249.3		103	82.4-113			
Tetrachloroethene	237	25	ug/kg wet	249.3		95.0	73.7-114			
Tetrahydrofuran	2360	500	ug/kg wet	2493		94.9	69.8-127			
Toluene	230	25	ug/kg wet	249.3		92.2	77.5-112			
trans-1,2-Dichloroethene	235	25	ug/kg wet	249.3		94.2	73.5-116			
trans-1,3-Dichloropropene	244	25	ug/kg wet	249.3		97.8	80.9-110			
Trichloroethene	245	25	ug/kg wet	249.3		98.4	79.5-110			
Vinyl chloride	224	25	ug/kg wet	249.3		90.0	49.9-123			
Surrogate: Toluene-d8	243		ug/kg wet	249.3		97.6	61.9-110			
Surrogate: 4-Bromofluorobenzene	252		ug/kg wet	249.3		101	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	239		ug/kg wet	249.3		95.8	80-120			



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006205 - EPA 5030B**

**LCS Dup (A006205-BSD1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 20:41

1,1,1,2-Tetrachloroethane	230	25	ug/kg wet	249.3		92.2	85.9-112	1.08	20	
1,1,1-Trichloroethane	234	25	ug/kg wet	249.3		93.8	73.1-128	6.80	20	
1,1,2,2-Tetrachloroethane	274	25	ug/kg wet	249.3		110	76-118	6.00	20	
1,1,2-Trichloroethane	248	25	ug/kg wet	249.3		99.6	82.5-115	2.64	20	
1,1,2-Trichlorotrifluoroethane	247	25	ug/kg wet	249.3		99.2	63.5-140	0.607	20	
1,1-Dichloroethane	252	25	ug/kg wet	249.3		101	73-123	1.80	20	
1,1-Dichloroethene	226	25	ug/kg wet	249.3		90.8	56.6-131	4.73	20	
1,1-Dichloropropene	238	25	ug/kg wet	249.3		95.6	82.8-113	0.630	20	
1,2,3-Trichlorobenzene	261	100	ug/kg wet	249.3		105	79.2-108	3.11	20	
1,2,3-Trichloropropane	251	50	ug/kg wet	249.3		101	76.9-118	0.987	20	
1,2,4-Trichlorobenzene	259	100	ug/kg wet	249.3		104	75.5-109	3.53	20	
1,2,4-Trimethylbenzene	258	25	ug/kg wet	249.3		104	84.8-111	0.00	20	
1,2-Dibromo-3-chloropropane	258	25	ug/kg wet	249.3		103	64.6-118	8.68	20	
1,2-Dibromoethane (EDB)	243	25	ug/kg wet	249.3		97.6	83.4-112	1.83	20	
1,2-Dichlorobenzene	256	25	ug/kg wet	249.3		103	80-120	4.78	20	
1,2-Dichloroethane	252	25	ug/kg wet	249.3		101	67.3-134	0.00	20	
1,2-Dichloropropane	245	25	ug/kg wet	249.3		98.4	82.8-111	0.406	20	
1,3,5-Trimethylbenzene	256	25	ug/kg wet	249.3		103	85.5-111	0.968	20	
1,3-Dichlorobenzene	246	25	ug/kg wet	249.3		98.8	80-120	0.202	20	
1,3-Dichloropropane	248	25	ug/kg wet	249.3		99.6	83.5-113	1.21	20	
1,4-Dichlorobenzene	252	25	ug/kg wet	249.3		101	80-120	1.79	20	
2,2-Dichloropropane	238	25	ug/kg wet	249.3		95.6	69.7-125	3.70	20	
2-Butanone	2890	1000	ug/kg wet	2493		116	67.8-128	10.9	20	
2-Chlorotoluene	257	25	ug/kg wet	249.3		103	80-120	1.73	20	
2-Hexanone	2540	1000	ug/kg wet	2493		102	73.5-124	1.52	20	
4-Chlorotoluene	263	25	ug/kg wet	249.3		105	83.4-111	1.72	20	
4-Methyl-2-pentanone	2570	1000	ug/kg wet	2493		103	77.8-123	2.47	20	
Acetone	2960	1000	ug/kg wet	2493		119	40.1-182	14.6	20	
Benzene	232	25	ug/kg wet	249.3		93.2	77.1-115	1.49	20	
Bromobenzene	250	25	ug/kg wet	249.3		100	80-120	2.83	20	
Bromochloromethane	246	25	ug/kg wet	249.3		98.8	76.8-121	8.00	20	
Bromodichloromethane	237	25	ug/kg wet	249.3		95.0	78.9-117	0.634	20	
Bromoform	225	25	ug/kg wet	249.3		90.4	70.9-116	0.889	20	
Carbon disulfide	229	25	ug/kg wet	249.3		91.8	50.7-131	2.20	20	
Carbon tetrachloride	232	25	ug/kg wet	249.3		93.0	70.8-119	7.45	20	
Chlorobenzene	247	25	ug/kg wet	249.3		99.2	81.2-111	2.04	20	
Chloroform	252	25	ug/kg wet	249.3		101	72.4-127	2.40	20	B
Chloromethane	205	50	ug/kg wet	249.3		82.4	52.6-126	4.74	20	
cis-1,2-Dichloroethene	249	25	ug/kg wet	249.3		99.8	76-115	3.67	20	
cis-1,3-Dichloropropene	239	25	ug/kg wet	249.3		95.8	80-120	1.47	20	
Dibromochloromethane	233	25	ug/kg wet	249.3		93.4	78-115	1.95	20	
Dibromomethane	241	25	ug/kg wet	249.3		96.8	81.6-117	0.207	20	
Dichlorodifluoromethane	185	25	ug/kg wet	249.3		74.2	39.6-115	6.52	20	
Diisopropyl Ether	251	25	ug/kg wet	249.3		101	77.5-120	5.50	20	
Ethylbenzene	241	25	ug/kg wet	249.3		96.8	82.3-110	1.84	20	
Hexachlorobutadiene	246	100	ug/kg wet	249.3		98.8	80.1-115	1.61	20	
Isopropylbenzene	249	25	ug/kg wet	249.3		100	82.9-114	2.96	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006205 - EPA 5030B**

**LCS Dup (A006205-BSD1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 20:41

m,p-Xylene	474	50	ug/kg wet	498.5		95.0	81.8-111	1.98	20	
Methyl t-Butyl Ether	246	25	ug/kg wet	249.3		98.8	75.4-124	6.05	20	
Methylene chloride	252	100	ug/kg wet	249.3		101	62.2-132	11.1	20	
Naphthalene	273	250	ug/kg wet	249.3		109	67.8-111	5.64	20	
n-Butyl Benzene	263	25	ug/kg wet	249.3		106	78.8-115	1.32	20	
n-Propyl Benzene	265	25	ug/kg wet	249.3		106	82.9-111	2.97	20	
o-Xylene	245	25	ug/kg wet	249.3		98.2	81.5-111	0.408	20	
p-Isopropyltoluene	254	25	ug/kg wet	249.3		102	83.3-111	2.52	20	
sec-Butyl Benzene	261	25	ug/kg wet	249.3		105	83.4-113	3.01	20	
Styrene	243	25	ug/kg wet	249.3		97.6	81.5-110	0.617	20	
tert-Butylbenzene	255	25	ug/kg wet	249.3		102	82.4-113	0.195	20	
Tetrachloroethene	233	25	ug/kg wet	249.3		93.4	73.7-114	1.70	20	
Tetrahydrofuran	2600	500	ug/kg wet	249.3		104	69.8-127	9.34	20	
Toluene	229	25	ug/kg wet	249.3		91.8	77.5-112	0.435	20	
trans-1,2-Dichloroethene	230	25	ug/kg wet	249.3		92.4	73.5-116	1.93	20	
trans-1,3-Dichloropropene	245	25	ug/kg wet	249.3		98.2	80.9-110	0.408	20	
Trichloroethene	242	25	ug/kg wet	249.3		97.2	79.5-110	1.23	20	
Vinyl chloride	227	25	ug/kg wet	249.3		91.2	49.9-123	1.32	20	
Surrogate: Toluene-d8	237		ug/kg wet	249.3		95.2	61.9-110			
Surrogate: 4-Bromofluorobenzene	258		ug/kg wet	249.3		103	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	250		ug/kg wet	249.3		100	80-120			

**Batch A006206 - EPA 5030B**

**Blank (A006206-BLK1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 16:52

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**Blank (A006206-BLK1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 16:52

2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	9.0	25	ug/kg wet							J
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Surrogate: Toluene-d8	471		ug/kg wet	498.0		94.6	61.9-110			
Surrogate: 4-Bromofluorobenzene	491		ug/kg wet	498.0		98.5	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	448		ug/kg wet	498.0		90.0	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**LCS (A006206-BS1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:34

1,1,1,2-Tetrachloroethane	236	25	ug/kg wet	250.5		94.2	85.9-112			
1,1,1-Trichloroethane	231	25	ug/kg wet	250.5		92.2	73.1-128			
1,1,2,2-Tetrachloroethane	237	25	ug/kg wet	250.5		94.8	76-118			
1,1,2-Trichloroethane	246	25	ug/kg wet	250.5		98.2	82.5-115			
1,1,2-Trichlorotrifluoroethane	96.7	25	ug/kg wet	250.5		38.6	63.5-140			
1,1-Dichloroethane	234	25	ug/kg wet	250.5		93.6	73-123			
1,1-Dichloroethene	101	25	ug/kg wet	250.5		40.4	56.6-131			
1,1-Dichloropropene	222	25	ug/kg wet	250.5		88.8	82.8-113			
1,2,3-Trichlorobenzene	246	100	ug/kg wet	250.5		98.2	79.2-108			
1,2,3-Trichloropropane	241	50	ug/kg wet	250.5		96.4	76.9-118			
1,2,4-Trichlorobenzene	251	100	ug/kg wet	250.5		100	75.5-109			
1,2,4-Trimethylbenzene	248	25	ug/kg wet	250.5		99.2	84.8-111			
1,2-Dibromo-3-chloropropane	198	25	ug/kg wet	250.5		79.2	64.6-118			
1,2-Dibromoethane (EDB)	241	25	ug/kg wet	250.5		96.2	83.4-112			
1,2-Dichlorobenzene	239	25	ug/kg wet	250.5		95.4	80-120			
1,2-Dichloroethane	245	25	ug/kg wet	250.5		97.8	67.3-134			
1,2-Dichloropropane	234	25	ug/kg wet	250.5		93.6	82.8-111			
1,3,5-Trimethylbenzene	246	25	ug/kg wet	250.5		98.4	85.5-111			
1,3-Dichlorobenzene	243	25	ug/kg wet	250.5		97.0	80-120			
1,3-Dichloropropane	238	25	ug/kg wet	250.5		95.2	83.5-113			
1,4-Dichlorobenzene	238	25	ug/kg wet	250.5		95.0	80-120			
2,2-Dichloropropane	254	25	ug/kg wet	250.5		101	69.7-125			
2-Butanone	3120	1000	ug/kg wet	2505		125	67.8-128			
2-Chlorotoluene	241	25	ug/kg wet	250.5		96.2	80-120			
2-Hexanone	2560	1000	ug/kg wet	2505		102	73.5-124			
4-Chlorotoluene	245	25	ug/kg wet	250.5		97.8	83.4-111			
4-Methyl-2-pentanone	2400	1000	ug/kg wet	2505		95.8	77.8-123			
Acetone	2300	1000	ug/kg wet	2505		91.9	40.1-182			
Benzene	226	25	ug/kg wet	250.5		90.2	77.1-115			
Bromobenzene	238	25	ug/kg wet	250.5		95.0	80-120			
Bromochloromethane	261	25	ug/kg wet	250.5		104	76.8-121			
Bromodichloromethane	217	25	ug/kg wet	250.5		86.6	78.9-117			
Bromoform	197	25	ug/kg wet	250.5		78.8	70.9-116			
Carbon disulfide	107	25	ug/kg wet	250.5		42.6	50.7-131			
Carbon tetrachloride	211	25	ug/kg wet	250.5		84.4	70.8-119			
Chlorobenzene	241	25	ug/kg wet	250.5		96.2	81.2-111			
Chloroform	235	25	ug/kg wet	250.5		94.0	72.4-127			
Chloromethane	156	50	ug/kg wet	250.5		62.2	52.6-126			B
cis-1,2-Dichloroethene	244	25	ug/kg wet	250.5		97.6	76-115			
cis-1,3-Dichloropropene	233	25	ug/kg wet	250.5		93.2	80-120			
Dibromochloromethane	223	25	ug/kg wet	250.5		89.2	78-115			
Dibromomethane	245	25	ug/kg wet	250.5		97.8	81.6-117			
Dichlorodifluoromethane	159	25	ug/kg wet	250.5		63.4	39.6-115			
Diisopropyl Ether	255	25	ug/kg wet	250.5		102	77.5-120			
Ethylbenzene	236	25	ug/kg wet	250.5		94.2	82.3-110			
Hexachlorobutadiene	244	100	ug/kg wet	250.5		97.4	80.1-115			
Isopropylbenzene	241	25	ug/kg wet	250.5		96.2	82.9-114			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**LCS (A006206-BS1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:34

m,p-Xylene	487	50	ug/kg wet	501.0		97.3	81.8-111			
Methyl t-Butyl Ether	185	25	ug/kg wet	250.5		74.0	75.4-124			
Methylene chloride	147	100	ug/kg wet	250.5		58.6	62.2-132			
Naphthalene	255	250	ug/kg wet	250.5		102	67.8-111			
n-Butyl Benzene	245	25	ug/kg wet	250.5		98.0	78.8-115			
n-Propyl Benzene	243	25	ug/kg wet	250.5		97.0	82.9-111			
o-Xylene	248	25	ug/kg wet	250.5		99.0	81.5-111			
p-Isopropyltoluene	243	25	ug/kg wet	250.5		97.2	83.3-111			
sec-Butyl Benzene	247	25	ug/kg wet	250.5		98.8	83.4-113			
Styrene	241	25	ug/kg wet	250.5		96.4	81.5-110			
tert-Butylbenzene	238	25	ug/kg wet	250.5		95.2	82.4-113			
Tetrachloroethene	235	25	ug/kg wet	250.5		93.8	73.7-114			
Tetrahydrofuran	2470	500	ug/kg wet	2505		98.6	69.8-127			
Toluene	228	25	ug/kg wet	250.5		91.2	77.5-112			
trans-1,2-Dichloroethene	179	25	ug/kg wet	250.5		71.4	73.5-116			
trans-1,3-Dichloropropene	243	25	ug/kg wet	250.5		97.0	80.9-110			
Trichloroethene	225	25	ug/kg wet	250.5		90.0	79.5-110			
Vinyl chloride	172	25	ug/kg wet	250.5		68.6	49.9-123			
<i>Surrogate: Toluene-d8</i>	230		<i>ug/kg wet</i>	250.5		91.8	61.9-110			
<i>Surrogate: 4-Bromofluorobenzene</i>	232		<i>ug/kg wet</i>	250.5		92.8	59.1-115			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	233		<i>ug/kg wet</i>	250.5		93.0	80-120			

**LCS Dup (A006206-BS1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:59

1,1,1,2-Tetrachloroethane	237	25	ug/kg wet	249.3		95.0	85.9-112	0.346	20	
1,1,1-Trichloroethane	227	25	ug/kg wet	249.3		91.2	73.1-128	1.59	20	
1,1,2,2-Tetrachloroethane	241	25	ug/kg wet	249.3		96.6	76-118	1.38	20	
1,1,2-Trichloroethane	247	25	ug/kg wet	249.3		99.2	82.5-115	0.513	20	
1,1,2-Trichlorotrifluoroethane	109	25	ug/kg wet	249.3		43.6	63.5-140	11.7	20	
1,1-Dichloroethane	232	25	ug/kg wet	249.3		93.0	73-123	1.14	20	
1,1-Dichloroethene	109	25	ug/kg wet	249.3		43.8	56.6-131	7.58	20	
1,1-Dichloropropene	222	25	ug/kg wet	249.3		89.0	82.8-113	0.275	20	
1,2,3-Trichlorobenzene	249	100	ug/kg wet	249.3		99.8	79.2-108	1.12	20	
1,2,3-Trichloropropane	238	50	ug/kg wet	249.3		95.6	76.9-118	1.33	20	
1,2,4-Trichlorobenzene	247	100	ug/kg wet	249.3		99.2	75.5-109	1.50	20	
1,2,4-Trimethylbenzene	251	25	ug/kg wet	249.3		101	84.8-111	0.902	20	
1,2-Dibromo-3-chloropropane	194	25	ug/kg wet	249.3		77.8	64.6-118	2.28	20	
1,2-Dibromoethane (EDB)	235	25	ug/kg wet	249.3		94.4	83.4-112	2.39	20	
1,2-Dichlorobenzene	239	25	ug/kg wet	249.3		96.0	80-120	0.127	20	
1,2-Dichloroethane	239	25	ug/kg wet	249.3		96.0	67.3-134	2.36	20	
1,2-Dichloropropane	236	25	ug/kg wet	249.3		94.6	82.8-111	0.563	20	
1,3,5-Trimethylbenzene	249	25	ug/kg wet	249.3		100	85.5-111	1.11	20	
1,3-Dichlorobenzene	233	25	ug/kg wet	249.3		93.6	80-120	4.07	20	
1,3-Dichloropropane	237	25	ug/kg wet	249.3		95.2	83.5-113	0.500	20	
1,4-Dichlorobenzene	239	25	ug/kg wet	249.3		95.8	80-120	0.339	20	
2,2-Dichloropropane	246	25	ug/kg wet	249.3		98.8	69.7-125	2.90	20	
2-Butanone	3380	1000	ug/kg wet	2493		136	67.8-128	7.96	20	
2-Chlorotoluene	241	25	ug/kg wet	249.3		96.8	80-120	0.122	20	
2-Hexanone	2650	1000	ug/kg wet	2493		106	73.5-124	3.59	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**LCS Dup (A006206-BSD1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:59

4-Chlorotoluene	246	25	ug/kg wet	249.3		98.6	83.4-111	0.315	20	
4-Methyl-2-pentanone	2340	1000	ug/kg wet	2493		94.0	77.8-123	2.40	20	
Acetone	2590	1000	ug/kg wet	2493		104	40.1-182	11.8	20	
Benzene	223	25	ug/kg wet	249.3		89.4	77.1-115	1.39	20	
Bromobenzene	239	25	ug/kg wet	249.3		95.8	80-120	0.339	20	
Bromochloromethane	262	25	ug/kg wet	249.3		105	76.8-121	0.457	20	
Bromodichloromethane	221	25	ug/kg wet	249.3		88.6	78.9-117	1.78	20	
Bromoform	195	25	ug/kg wet	249.3		78.2	70.9-116	1.26	20	
Carbon disulfide	117	25	ug/kg wet	249.3		46.8	50.7-131	8.90	20	
Carbon tetrachloride	215	25	ug/kg wet	249.3		86.2	70.8-119	1.61	20	
Chlorobenzene	242	25	ug/kg wet	249.3		97.2	81.2-111	0.534	20	
Chloroform	230	25	ug/kg wet	249.3		92.4	72.4-127	2.22	20	B
Chloromethane	154	50	ug/kg wet	249.3		61.8	52.6-126	1.14	20	
cis-1,2-Dichloroethene	246	25	ug/kg wet	249.3		98.6	76-115	0.520	20	
cis-1,3-Dichloropropene	231	25	ug/kg wet	249.3		92.6	80-120	1.15	20	
Dibromochloromethane	219	25	ug/kg wet	249.3		87.8	78-115	2.08	20	
Dibromomethane	242	25	ug/kg wet	249.3		97.0	81.6-117	1.32	20	
Dichlorodifluoromethane	160	25	ug/kg wet	249.3		64.2	39.6-115	0.754	20	
Diisopropyl Ether	256	25	ug/kg wet	249.3		103	77.5-120	0.478	20	
Ethylbenzene	236	25	ug/kg wet	249.3		94.8	82.3-110	0.135	20	
Hexachlorobutadiene	243	100	ug/kg wet	249.3		97.6	80.1-115	0.295	20	
Isopropylbenzene	245	25	ug/kg wet	249.3		98.2	82.9-114	1.56	20	
m,p-Xylene	483	50	ug/kg wet	498.5		96.8	81.8-111	1.01	20	
Methyl t-Butyl Ether	184	25	ug/kg wet	249.3		73.8	75.4-124	0.770	20	
Methylene chloride	140	100	ug/kg wet	249.3		56.0	62.2-132	5.04	20	
Naphthalene	252	250	ug/kg wet	249.3		101	67.8-111	1.09	20	
n-Butyl Benzene	244	25	ug/kg wet	249.3		98.0	78.8-115	0.500	20	
n-Propyl Benzene	245	25	ug/kg wet	249.3		98.2	82.9-111	0.730	20	
o-Xylene	243	25	ug/kg wet	249.3		97.6	81.5-111	1.92	20	
p-Isopropyltoluene	246	25	ug/kg wet	249.3		98.8	83.3-111	1.13	20	
sec-Butyl Benzene	246	25	ug/kg wet	249.3		98.8	83.4-113	0.500	20	
Styrene	242	25	ug/kg wet	249.3		97.0	81.5-110	0.121	20	
tert-Butylbenzene	240	25	ug/kg wet	249.3		96.4	82.4-113	0.753	20	
Tetrachloroethene	231	25	ug/kg wet	249.3		92.6	73.7-114	1.79	20	
Tetrahydrofuran	2470	500	ug/kg wet	2493		99.2	69.8-127	0.107	20	
Toluene	226	25	ug/kg wet	249.3		90.8	77.5-112	0.939	20	
trans-1,2-Dichloroethene	166	25	ug/kg wet	249.3		66.6	73.5-116	7.46	20	
trans-1,3-Dichloropropene	239	25	ug/kg wet	249.3		96.0	80.9-110	1.54	20	
Trichloroethene	226	25	ug/kg wet	249.3		90.6	79.5-110	0.165	20	
Vinyl chloride	173	25	ug/kg wet	249.3		69.4	49.9-123	0.660	20	
Surrogate: Toluene-d8	228		ug/kg wet	249.3		91.6	61.9-110			
Surrogate: 4-Bromofluorobenzene	233		ug/kg wet	249.3		93.4	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	232		ug/kg wet	249.3		93.0	80-120			

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 0441161  
 Project Manager: Paul Sterkenburg

**Classical Chemistry Parameters - Quality Control**  
**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006203 - % Solids**

Duplicate (A006203-DUP1)	Source: A202701-20	Prepared: 06/29/2020	Analyzed: 06/30/2020 07:20		
% Solids	87.9	0.00 % by Weight	88.0	0.120	20

**Batch A006204 - % Solids**

Duplicate (A006204-DUP1)	Source: A202701-21	Prepared: 06/29/2020	Analyzed: 06/30/2020 07:20		
% Solids	64.3	0.00 % by Weight	64.3	0.0416	20

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- E1 Estimated value because of quality control sample exceedances.
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.





**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 13670

Page: 1 of 3

Project Number: <b>0441161</b>		PO Number:		Lab Work Order #: <b>A202701</b>				Report To:																																																																																																																																																																					
Project Name: <b>910 Myer LLC - EDC Invest.</b>		Preservation Codes				Company:																																																																																																																																																																							
Project Location (City, State): <b>Madison, WI</b>		Analyses Requested				Address 1:																																																																																																																																																																							
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Matrix</th> <th style="width:10%;">Total # of Containers</th> <th style="width:10%;">VOCs</th> <th style="width:10%;">dry weight</th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers	VOCs	dry weight																	Address 2:																																																																																																																																																			
Matrix	Total # of Containers					VOCs	dry weight																																																																																																																																																																						
If Rush, Report Due Date:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Sample Description</th> <th style="width:10%;">Collection Date</th> <th style="width:10%;">Collection Time</th> <th style="width:10%;">Matrix</th> <th style="width:10%;">Total # of Containers</th> <th style="width:10%;">VOCs</th> <th style="width:10%;">dry weight</th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:10%;">Comments</th> <th style="width:10%;">Lab ID</th> <th style="width:10%;">Lab Receipt Time</th> </tr> <tr> <td>TS-GP-5(0-1)-20200629</td> <td>6/29/20</td> <td>910</td> <td>G</td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.8ppm PZO</td> <td>01</td> <td></td> </tr> <tr> <td>TS-GP-5(7-8)-20200629</td> <td></td> <td>930</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.7 ppm PZO</td> <td>02</td> <td></td> </tr> <tr> <td>TS-GP-5(9-10)-20200629</td> <td></td> <td>940</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.0ppm</td> <td>03</td> <td></td> </tr> <tr> <td>TS-GP-5(14-15)-20200629</td> <td></td> <td>950</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.4 ppm</td> <td>04</td> <td></td> </tr> <tr> <td>TS-GP-5(16-17)-20200629</td> <td></td> <td>1000</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.6ppm</td> <td>05</td> <td></td> </tr> <tr> <td>TS-GP-1(0-1)-20200629</td> <td></td> <td>1010</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3.7ppm</td> <td>06</td> <td></td> </tr> <tr> <td>TS-GP-1(7-8)-20200629</td> <td></td> <td>1015</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.5ppm</td> <td>07</td> <td></td> </tr> <tr> <td>TS-GP-1(10-11)-20200629</td> <td></td> <td>1020</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.7 ppm</td> <td>08</td> <td></td> </tr> <tr> <td>TS-GP-1(14-15)-20200629</td> <td></td> <td>1025</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.6ppm</td> <td>09</td> <td></td> </tr> <tr> <td>TS-GP-1(16-17)-20200629</td> <td></td> <td>1030</td> <td></td> <td>3</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.8ppm</td> <td>10</td> <td></td> </tr> </table>				Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	VOCs	dry weight						Comments	Lab ID	Lab Receipt Time	TS-GP-5(0-1)-20200629	6/29/20	910	G	3	2	1						1.8ppm PZO	01		TS-GP-5(7-8)-20200629		930		3	2	1						1.7 ppm PZO	02		TS-GP-5(9-10)-20200629		940		3	2	1						2.0ppm	03		TS-GP-5(14-15)-20200629		950		3	2	1						1.4 ppm	04		TS-GP-5(16-17)-20200629		1000		3	2	1						1.6ppm	05		TS-GP-1(0-1)-20200629		1010		3	2	1						3.7ppm	06		TS-GP-1(7-8)-20200629		1015		3	2	1						1.5ppm	07		TS-GP-1(10-11)-20200629		1020		3	2	1						1.7 ppm	08		TS-GP-1(14-15)-20200629		1025		3	2	1						2.6ppm	09		TS-GP-1(16-17)-20200629		1030		3	2	1						1.8ppm	10		E-mail Address:		
Sample Description	Collection Date					Collection Time	Matrix	Total # of Containers	VOCs	dry weight						Comments	Lab ID	Lab Receipt Time																																																																																																																																																											
TS-GP-5(0-1)-20200629	6/29/20	910	G	3	2	1						1.8ppm PZO	01																																																																																																																																																																
TS-GP-5(7-8)-20200629		930		3	2	1						1.7 ppm PZO	02																																																																																																																																																																
TS-GP-5(9-10)-20200629		940		3	2	1						2.0ppm	03																																																																																																																																																																
TS-GP-5(14-15)-20200629		950		3	2	1						1.4 ppm	04																																																																																																																																																																
TS-GP-5(16-17)-20200629		1000		3	2	1						1.6ppm	05																																																																																																																																																																
TS-GP-1(0-1)-20200629		1010		3	2	1						3.7ppm	06																																																																																																																																																																
TS-GP-1(7-8)-20200629		1015		3	2	1						1.5ppm	07																																																																																																																																																																
TS-GP-1(10-11)-20200629		1020		3	2	1						1.7 ppm	08																																																																																																																																																																
TS-GP-1(14-15)-20200629		1025		3	2	1						2.6ppm	09																																																																																																																																																																
TS-GP-1(16-17)-20200629		1030		3	2	1						1.8ppm	10																																																																																																																																																																
Sampled By (Print): <b>ERM</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Company:</th> <th style="width:10%;">Address 1:</th> <th style="width:10%;">Address 2:</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				Company:	Address 1:	Address 2:				Invoice To:																																																																																																																																																																	
Company:	Address 1:					Address 2:																																																																																																																																																																							
						Company:																																																																																																																																																																							
						Address 1:																																																																																																																																																																							
						Address 2:																																																																																																																																																																							

Page 63 of 65 A202701 FINAL 07 09 2020 1320

**Preservation Codes**  
 A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>  
 D=HNO<sub>3</sub> E=EnCore F=Methanol  
 G=NaOH O=Other (Indicate)

**Matrix Codes**  
 A=Air S=Soil W=Water O=Other

**Other Comments:**  
 10 samples labeled as collected at 10:XX. MP 6/29/20

Relinquished By: **ERM**  
 Relinquished By:  
 Custody Seal:  
 NA  Intact  Not Intact

Date: **6/29/20** Time: **1223**  
 Date: Time:  
 Shipped Via: **Pick Up**

Received By: *[Signature]*  
 Received By:  
 Receipt Temp: **On Ice**

Date: **6/29/20** Time: **12:45**  
 Date: Time:  
 Thermometer #/ Exp. Date:  
 Temp Blank:  
 Y  N



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 13671

Page: 2 of 3

Project Number: 0441161		PO Number:		Lab Work Order #: A202701				Report To:							
Project Name: 910 Myer LLC - EDC Invest.		Preservation Codes				Company:			Address 1:						
Project Location (City, State): Madison, WI		Analyses Requested				Address 2:			E-mail Address:						
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		Matrix	Total # of Containers	VOCs	dry weight					Invoice To:					
If Rush, Report Due Date:										Company:					
Sampled By (Print): ERM										Address 1:					
Sample Description		Collection Date	Collection Time							Comments	Lab ID	Lab Receipt Time			
TS-GP-G(3-4)-20200629	6/29/20	1040	G	3	2	1				0.3ppm	11				
TS-GP-G(4-5)-20200629		1045		3	2	1				1.6ppm	12				
TS-GP-G(11-12)-20200629		1050		3	2	1				1.3ppm	13				
TS-GP-G(14-15)-20200629		1055		3	2	1				1.3ppm	14				
TS-GP-G(15-16)-20200629		1100		3	2	1				0.6ppm	15				
TS-GP-2(1-2)-20200629		1130		3	2	1				0.7ppm	16				
TS-GP-2(7-8)-20200629		1135		3	2	1				0.9ppm	17				
TS-GP-2(11-12)-20200629		1140		3	2	1				0.8ppm	18				
TS-GP-2(13-14)-20200629		1145		3	2	1				0.9ppm	19				
TS-GP-7(2-3)-20200629		1135		3	2	1				1.2ppm	20				
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>		Relinquished By: <i>[Signature]</i>		Date: 6/29/20		Time: 1223		Received By: <i>[Signature]</i>		Date: 6/29/20		Time: 1245	
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Relinquished By:		Date:		Time:		Received By:		Date:		Time:	
Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: Pick Up		Receipt Temp: On Ice		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N					

Page 64 of 65 A202701 FINAL 07 09 2020 1320



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 13672

Page: 3 of 3

Project Number: <b>0441161</b>		PO Number:		Lab Work Order #: <b>A202701</b>		Report To:	
Project Name: <b>910 Myer LLC - EDC-Invest.</b>		Project Location (City, State): <b>Madison, WI</b>		Preservation Codes		Company:	
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		If Rush, Report Due Date:		Analyses Requested		Address 1:	
Sampled By (Print): <b>ERM</b>						Address 2:	
						E-mail Address:	
						Invoice To:	
						Company:	
						Address 1:	
						Address 2:	
						Comments	
						Lab ID	
						Lab Receipt Time	

Sample Description	Collection		Matrix	Total # of Containers	VOCS	dry weight														
	Date	Time																		
TS-GP-7(6-7)-20200629	6/29/20	1140	GW	3	2	1												0.6ppm	21	
TS-GP-7(9-10)-20200629	↓	1145	↓	3	2	1												1.8 ppm	22	
TS-GP-7(12-13)-20200629	↓	1150	↓	3	2	1												0.8ppm	23	
TS-GP-7(17-18)-20200629	↓	1155	↓	3	2	1												1.2ppm	24	

<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)	<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other	<b>Other Comments:</b>		Relinquished By: <b>Erin [Signature]</b>	Date: <b>6/29/20</b>	Time: <b>12:23</b>	Received By: <b>[Signature]</b>	Date: <b>6/29/20</b>	Time: <b>12:45</b>
				Relinquished By:	Date:	Time:	Received By:	Date:	Time:
				Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact	Shipped Via: <b>Pick Up</b>	Receipt Temp: <b>On Ice</b>	Thermometer #/ Exp. Date:	Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N	

Page 65 of 65 A202701 FINAL 07 09 2020 1320



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 06/29/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-GP-3(0-1)-20200629	A202703-01	Soil	06/29/2020	06/29/2020
TS-GP-3(4-5)-20200629	A202703-02	Soil	06/29/2020	06/29/2020
TS-GP-3(11-12)-20200629	A202703-03	Soil	06/29/2020	06/29/2020
TS-GP-3(12-13)-20200629	A202703-04	Soil	06/29/2020	06/29/2020
DUP-1-20200629	A202703-05	Soil	06/29/2020	06/29/2020

**CASE NARRATIVE**

**Sample Receipt Information:**

Five samples were received on 06/29/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

**Laboratory Control Samples (LCS):**

The E1 footnote on samples A202703-01 through A202703-05 indicates that there were quality control sample exceedances for multiple analytes for the 8260 analysis. The LCS recoveries were below acceptable limits. Please see the quality control section of the report for more information.

**Continuing Calibration Verification (CCV):**

The LC footnote on samples A202703-04 and A202703-05 states that there was a low CCV recovery for tetrahydrofuran. The lower control limit is 70% and the lowest recovery was 50.2%.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(0-1)-20200629**

**A202703-01 (Soil)**

Date Sampled  
**06/29/2020 12:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	8.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,1,1-Trichloroethane	ND	8.5	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.0	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,1,2-Trichloroethane	ND	7.3	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.8	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	E1
1,1-Dichloroethane	ND	11	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,1-Dichloroethene	ND	8.5	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	E1
1,1-Dichloropropene	ND	4.2	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.4	120	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2,3-Trichloropropane	ND	7.5	58	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.4	120	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.1	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.7	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2-Dichlorobenzene	ND	3.1	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2-Dichloroethane	ND	5.3	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,2-Dichloropropane	ND	8.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.8	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,3-Dichlorobenzene	ND	5.5	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,3-Dichloropropane	ND	5.3	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
1,4-Dichlorobenzene	ND	4.6	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
2,2-Dichloropropane	ND	12	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
2-Chlorotoluene	ND	3.0	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
4-Chlorotoluene	ND	3.6	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
4-Methyl-2-pentanone	ND	45	1200	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Acetone	ND	170	1200	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Benzene	ND	1.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Bromobenzene	ND	5.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Bromochloromethane	ND	11	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Bromodichloromethane	ND	3.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Bromoform	ND	17	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Carbon disulfide	ND	2.7	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	E1
Carbon tetrachloride	ND	4.8	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Chlorobenzene	ND	4.3	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Chloroform	ND	4.4	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Chloromethane	ND	9.2	58	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.3	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.5	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Dibromochloromethane	ND	6.1	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Dibromomethane	ND	13	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(0-1)-20200629**

Date Sampled  
**06/29/2020 12:30**

**A202703-01 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Dichlorodifluoromethane	ND	5.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Diisopropyl Ether	ND	16	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Ethylbenzene	ND	2.4	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Hexachlorobutadiene	ND	7.4	120	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Isopropylbenzene	ND	2.7	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
m,p-Xylene	ND	3.6	58	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Methyl t-Butyl Ether	ND	5.0	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	E1
Methylene chloride	ND	8.1	120	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	E1
<b>Naphthalene</b>	<b>12</b>	4.4	290	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	J
n-Butyl Benzene	ND	3.7	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
n-Propyl Benzene	ND	3.9	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
o-Xylene	ND	3.5	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
p-Isopropyltoluene	ND	3.2	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
sec-Butyl Benzene	ND	2.8	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Styrene	ND	4.6	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
tert-Butylbenzene	ND	3.1	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Tetrachloroethene	ND	6.6	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Tetrahydrofuran	ND	130	580	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Toluene	ND	4.6	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.2	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	5.0	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Trichloroethene	ND	4.8	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Vinyl chloride	ND	6.7	29	ug/kg dry	1	06/29/2020	06/30/2020 12:18	EPA 8260B	
Surrogate: Toluene-d8			52.3 %	61.9-110		06/29/2020	06/30/2020 12:18	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			57.6 %	59.1-115		06/29/2020	06/30/2020 12:18	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			46.7 %	80-120		06/29/2020	06/30/2020 12:18	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>86.6</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(4-5)-20200629**

Date Sampled  
**06/29/2020 12:35**

**A202703-02 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	8.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,1,1-Trichloroethane	ND	8.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	6.6	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,1,2-Trichloroethane	ND	6.9	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.5	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	E1
1,1-Dichloroethane	ND	10	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,1-Dichloroethene	ND	8.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	E1
1,1-Dichloropropene	ND	3.9	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.0	110	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2,3-Trichloropropane	ND	7.1	55	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.0	110	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.8	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	12	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2-Dichlorobenzene	ND	3.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>870</b>	5.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,2-Dichloropropane	ND	8.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.6	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,3-Dichlorobenzene	ND	5.1	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,3-Dichloropropane	ND	5.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
1,4-Dichlorobenzene	ND	4.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
2,2-Dichloropropane	ND	11	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
2-Butanone	ND	200	1100	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
2-Chlorotoluene	ND	2.8	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
2-Hexanone	ND	32	1100	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
4-Chlorotoluene	ND	3.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
4-Methyl-2-pentanone	ND	43	1100	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Acetone	ND	160	1100	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Benzene	ND	1.8	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Bromobenzene	ND	5.6	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Bromochloromethane	ND	11	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Bromodichloromethane	ND	3.7	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Bromoform	ND	16	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Carbon disulfide	ND	2.5	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	E1
Carbon tetrachloride	ND	4.5	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Chlorobenzene	ND	4.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Chloroform	ND	4.2	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Chloromethane	ND	8.6	55	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	8.8	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.1	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Dibromochloromethane	ND	5.8	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Dibromomethane	ND	12	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Dichlorodifluoromethane	ND	5.6	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(4-5)-20200629**

Date Sampled  
**06/29/2020 12:35**

**A202703-02 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Diisopropyl Ether	ND	15	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Ethylbenzene	ND	2.3	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Hexachlorobutadiene	ND	7.0	110	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Isopropylbenzene	ND	2.5	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
m,p-Xylene	ND	3.4	55	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Methyl t-Butyl Ether	ND	4.7	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	E1
<b>Methylene chloride</b>	<b>14</b>	7.7	110	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	E1, J
<b>Naphthalene</b>	<b>7.1</b>	4.2	270	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	J
n-Butyl Benzene	ND	3.5	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
n-Propyl Benzene	ND	3.7	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
o-Xylene	ND	3.3	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
<b>p-Isopropyltoluene</b>	<b>13</b>	3.1	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	J
sec-Butyl Benzene	ND	2.6	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Styrene	ND	4.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
tert-Butylbenzene	ND	3.0	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Tetrachloroethene	ND	6.2	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Tetrahydrofuran	ND	120	550	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Toluene	ND	4.4	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	4.9	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	4.7	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
Trichloroethene	ND	4.5	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	
<b>Vinyl chloride</b>	<b>22</b>	6.3	27	ug/kg dry	1	06/29/2020	06/30/2020 12:45	EPA 8260B	J
Surrogate: Toluene-d8			77.6 %	61.9-110		06/29/2020	06/30/2020 12:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			83.9 %	59.1-115		06/29/2020	06/30/2020 12:45	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			70.5 %	80-120		06/29/2020	06/30/2020 12:45	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>91.1</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(11-12)-20200629**

**A202703-03 (Soil)**

**Date Sampled**  
**06/29/2020 12:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.3	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,1,1-Trichloroethane	ND	8.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.3	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,1,2-Trichloroethane	ND	7.6	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.0	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	E1
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>11</b>	8.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	E1, J
1,1-Dichloropropene	ND	4.4	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.7	120	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2,3-Trichloropropane	ND	7.9	61	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.8	120	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.2	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dichlorobenzene	ND	3.3	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dichloroethane	ND	5.6	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dichloropropane	ND	9.3	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,3-Dichlorobenzene	ND	5.7	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,3-Dichloropropane	ND	5.6	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
1,4-Dichlorobenzene	ND	4.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
2-Butanone	ND	220	1200	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
2-Chlorotoluene	ND	3.2	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
2-Hexanone	ND	35	1200	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
4-Chlorotoluene	ND	3.8	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
4-Methyl-2-pentanone	ND	47	1200	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Benzene	ND	1.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Bromobenzene	ND	6.2	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Bromochloromethane	ND	12	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Bromodichloromethane	ND	4.1	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Carbon disulfide	ND	2.8	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	E1
Carbon tetrachloride	ND	5.0	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Chlorobenzene	ND	4.5	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Chloroform	ND	4.6	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Chloromethane	ND	9.6	61	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>11</b>	9.7	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	J
cis-1,3-Dichloropropene	ND	6.8	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Dibromochloromethane	ND	6.4	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Dichlorodifluoromethane	ND	6.2	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(11-12)-20200629**

**A202703-03 (Soil)**

**Date Sampled**  
**06/29/2020 12:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Diisopropyl Ether	ND	17	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Ethylbenzene	ND	2.5	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Hexachlorobutadiene	ND	7.8	120	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Isopropylbenzene	ND	2.8	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
m,p-Xylene	ND	3.8	61	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Methyl t-Butyl Ether	ND	5.2	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	E1
Methylene chloride	ND	8.5	120	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	E1
<b>Naphthalene</b>	<b>7.3</b>	4.6	300	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	J
n-Butyl Benzene	ND	3.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
n-Propyl Benzene	ND	4.1	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
o-Xylene	ND	3.6	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
p-Isopropyltoluene	ND	3.4	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
sec-Butyl Benzene	ND	2.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Styrene	ND	4.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
tert-Butylbenzene	ND	3.3	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Tetrachloroethene	ND	6.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Tetrahydrofuran	ND	130	610	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
Toluene	ND	4.9	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.5	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	5.2	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
<b>Trichloroethene</b>	<b>37</b>	5.0	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	
<b>Vinyl chloride</b>	<b>150</b>	7.0	30	ug/kg dry	1	06/29/2020	06/30/2020 13:20	EPA 8260B	

Surrogate: Toluene-d8

80.1 % 61.9-110

06/29/2020 06/30/2020 13:20

EPA 8260B

Surrogate: 4-Bromofluorobenzene

89.3 % 59.1-115

06/29/2020 06/30/2020 13:20

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

77.5 % 80-120

06/29/2020 06/30/2020 13:20

EPA 8260B

S

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>78.1</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(12-13)-20200629**

**A202703-04 (Soil)**

**Date Sampled**  
**06/29/2020 12:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.6	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,1,1-Trichloroethane	ND	9.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.5	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,1,2-Trichloroethane	ND	7.9	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	E1
1,1-Dichloroethane	ND	12	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>9.3</b>	9.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	E1, J
1,1-Dichloropropene	ND	4.5	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.9	120	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2,3-Trichloropropane	ND	8.1	62	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.0	120	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,2-Dichlorobenzene	ND	3.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>6.2</b>	5.7	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	J
1,2-Dichloropropane	ND	9.6	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,3-Dichlorobenzene	ND	5.9	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,3-Dichloropropane	ND	5.7	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
1,4-Dichlorobenzene	ND	5.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
2,2-Dichloropropane	ND	12	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
2-Butanone	ND	220	1200	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
2-Chlorotoluene	ND	3.2	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
2-Hexanone	ND	36	1200	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
4-Chlorotoluene	ND	3.9	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
4-Methyl-2-pentanone	ND	49	1200	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Acetone	ND	190	1200	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
<b>Benzene</b>	<b>2.5</b>	2.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	J
Bromobenzene	ND	6.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Bromochloromethane	ND	12	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Bromodichloromethane	ND	4.2	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Bromoform	ND	19	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Carbon disulfide	ND	2.9	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	E1
Carbon tetrachloride	ND	5.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Chlorobenzene	ND	4.6	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
<b>Chloroform</b>	<b>8.7</b>	4.7	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	B, J
Chloromethane	ND	9.8	62	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Dibromochloromethane	ND	6.6	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Dibromomethane	ND	14	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Dichlorodifluoromethane	ND	6.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-3(12-13)-20200629**

Date Sampled  
**06/29/2020 12:45**

**A202703-04 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Diisopropyl Ether	ND	17	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Ethylbenzene	ND	2.6	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Hexachlorobutadiene	ND	8.0	120	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Isopropylbenzene	ND	2.9	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
m,p-Xylene	ND	3.9	62	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Methyl t-Butyl Ether	ND	5.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	E1
Methylene chloride	ND	8.7	120	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	E1
Naphthalene	ND	4.7	310	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
n-Butyl Benzene	ND	4.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
n-Propyl Benzene	ND	4.2	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
o-Xylene	ND	3.7	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
p-Isopropyltoluene	ND	3.5	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
sec-Butyl Benzene	ND	3.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Styrene	ND	5.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
tert-Butylbenzene	ND	3.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Tetrachloroethene	ND	7.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
Tetrahydrofuran	ND	140	620	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	LC
Toluene	ND	5.0	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.6	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	5.4	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
<b>Trichloroethene</b>	<b>45</b>	5.1	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	
<b>Vinyl chloride</b>	<b>180</b>	7.2	31	ug/kg dry	1	06/29/2020	06/30/2020 00:15	EPA 8260B	

Surrogate: Toluene-d8

91.1 % 61.9-110

06/29/2020 06/30/2020 00:15 EPA 8260B

Surrogate: 4-Bromofluorobenzene

86.0 % 59.1-115

06/29/2020 06/30/2020 00:15 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

86.8 % 80-120

06/29/2020 06/30/2020 00:15 EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>74.1</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-1-20200629**

Date Sampled  
**06/29/2020 00:00**

**A202703-05 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	13	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,1,1-Trichloroethane	ND	13	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	10	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,1,2-Trichloroethane	ND	11	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	E1
1,1-Dichloroethane	ND	16	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,1-Dichloroethene	ND	13	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	E1
1,1-Dichloropropene	ND	6.3	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	9.6	170	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2,3-Trichloropropane	ND	11	87	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	11	170	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.1	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	19	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.6	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2-Dichlorobenzene	ND	4.7	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>550</b>	8.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,2-Dichloropropane	ND	13	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,3-Dichlorobenzene	ND	8.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,3-Dichloropropane	ND	8.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
2,2-Dichloropropane	ND	17	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
2-Butanone	ND	310	1700	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
2-Chlorotoluene	ND	4.5	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
2-Hexanone	ND	51	1700	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
4-Chlorotoluene	ND	5.4	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
4-Methyl-2-pentanone	ND	68	1700	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Acetone	ND	260	1700	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Benzene	ND	2.8	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Bromobenzene	ND	8.9	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Bromochloromethane	ND	17	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Bromodichloromethane	ND	5.9	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Bromoform	ND	26	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Carbon disulfide	ND	4.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	E1
Carbon tetrachloride	ND	7.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Chlorobenzene	ND	6.5	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
<b>Chloroform</b>	<b>10</b>	6.6	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	B, J
Chloromethane	ND	14	87	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	14	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
cis-1,3-Dichloropropene	ND	9.8	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Dibromochloromethane	ND	9.3	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Dibromomethane	ND	19	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Dichlorodifluoromethane	ND	8.9	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-1-20200629**

Date Sampled  
**06/29/2020 00:00**

**A202703-05 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006206**

Diisopropyl Ether	ND	24	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Ethylbenzene	ND	3.7	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Hexachlorobutadiene	ND	11	170	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Isopropylbenzene	ND	4.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
m,p-Xylene	ND	5.4	87	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Methyl t-Butyl Ether	ND	7.5	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	E1
Methylene chloride	ND	12	170	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	E1
Naphthalene	ND	6.6	440	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
n-Butyl Benzene	ND	5.6	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
n-Propyl Benzene	ND	5.9	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
o-Xylene	ND	5.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
<b>p-Isopropyltoluene</b>	<b>11</b>	4.9	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	J
sec-Butyl Benzene	ND	4.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Styrene	ND	7.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
tert-Butylbenzene	ND	4.7	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Tetrachloroethene	ND	10	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Tetrahydrofuran	ND	190	870	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	LC
Toluene	ND	7.0	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	7.9	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	7.5	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
Trichloroethene	ND	7.2	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	
<b>Vinyl chloride</b>	<b>14</b>	10	44	ug/kg dry	1	06/29/2020	06/30/2020 00:42	EPA 8260B	J

Surrogate: Toluene-d8

93.1 % 61.9-110

06/29/2020 06/30/2020 00:42 EPA 8260B

Surrogate: 4-Bromofluorobenzene

90.3 % 59.1-115

06/29/2020 06/30/2020 00:42 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

91.5 % 80-120

06/29/2020 06/30/2020 00:42 EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006204**

<b>% Solids</b>	<b>84.5</b>		0.00	% by Weight	1	06/29/2020	06/30/2020 07:20	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**Blank (A006206-BLK1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 16:52

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	9.0	25	ug/kg wet							J
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**Blank (A006206-BLK1)**

Prepared: 06/29/2020 Analyzed: 06/29/2020 16:52

m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
<i>Surrogate: Toluene-d8</i>	471		ug/kg wet	498.0		94.6	61.9-110			
<i>Surrogate: 4-Bromofluorobenzene</i>	491		ug/kg wet	498.0		98.5	59.1-115			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	448		ug/kg wet	498.0		90.0	80-120			

**LCS (A006206-BS1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:34

1,1,1,2-Tetrachloroethane	236	25	ug/kg wet	250.5		94.2	85.9-112			
1,1,1-Trichloroethane	231	25	ug/kg wet	250.5		92.2	73.1-128			
1,1,2,2-Tetrachloroethane	237	25	ug/kg wet	250.5		94.8	76-118			
1,1,2-Trichloroethane	246	25	ug/kg wet	250.5		98.2	82.5-115			
1,1,2-Trichlorotrifluoroethane	96.7	25	ug/kg wet	250.5		38.6	63.5-140			
1,1-Dichloroethane	234	25	ug/kg wet	250.5		93.6	73-123			
1,1-Dichloroethene	101	25	ug/kg wet	250.5		40.4	56.6-131			
1,1-Dichloropropene	222	25	ug/kg wet	250.5		88.8	82.8-113			
1,2,3-Trichlorobenzene	246	100	ug/kg wet	250.5		98.2	79.2-108			
1,2,3-Trichloropropane	241	50	ug/kg wet	250.5		96.4	76.9-118			
1,2,4-Trichlorobenzene	251	100	ug/kg wet	250.5		100	75.5-109			
1,2,4-Trimethylbenzene	248	25	ug/kg wet	250.5		99.2	84.8-111			
1,2-Dibromo-3-chloropropane	198	25	ug/kg wet	250.5		79.2	64.6-118			
1,2-Dibromoethane (EDB)	241	25	ug/kg wet	250.5		96.2	83.4-112			
1,2-Dichlorobenzene	239	25	ug/kg wet	250.5		95.4	80-120			
1,2-Dichloroethane	245	25	ug/kg wet	250.5		97.8	67.3-134			
1,2-Dichloropropane	234	25	ug/kg wet	250.5		93.6	82.8-111			
1,3,5-Trimethylbenzene	246	25	ug/kg wet	250.5		98.4	85.5-111			
1,3-Dichlorobenzene	243	25	ug/kg wet	250.5		97.0	80-120			
1,3-Dichloropropane	238	25	ug/kg wet	250.5		95.2	83.5-113			
1,4-Dichlorobenzene	238	25	ug/kg wet	250.5		95.0	80-120			
2,2-Dichloropropane	254	25	ug/kg wet	250.5		101	69.7-125			
2-Butanone	3120	1000	ug/kg wet	2505		125	67.8-128			
2-Chlorotoluene	241	25	ug/kg wet	250.5		96.2	80-120			
2-Hexanone	2560	1000	ug/kg wet	2505		102	73.5-124			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**LCS (A006206-BS1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:34

4-Chlorotoluene	245	25	ug/kg wet	250.5		97.8	83.4-111			
4-Methyl-2-pentanone	2400	1000	ug/kg wet	2505		95.8	77.8-123			
Acetone	2300	1000	ug/kg wet	2505		91.9	40.1-182			
Benzene	226	25	ug/kg wet	250.5		90.2	77.1-115			
Bromobenzene	238	25	ug/kg wet	250.5		95.0	80-120			
Bromochloromethane	261	25	ug/kg wet	250.5		104	76.8-121			
Bromodichloromethane	217	25	ug/kg wet	250.5		86.6	78.9-117			
Bromoform	197	25	ug/kg wet	250.5		78.8	70.9-116			
Carbon disulfide	107	25	ug/kg wet	250.5		42.6	50.7-131			
Carbon tetrachloride	211	25	ug/kg wet	250.5		84.4	70.8-119			
Chlorobenzene	241	25	ug/kg wet	250.5		96.2	81.2-111			
Chloroform	235	25	ug/kg wet	250.5		94.0	72.4-127			B
Chloromethane	156	50	ug/kg wet	250.5		62.2	52.6-126			
cis-1,2-Dichloroethene	244	25	ug/kg wet	250.5		97.6	76-115			
cis-1,3-Dichloropropene	233	25	ug/kg wet	250.5		93.2	80-120			
Dibromochloromethane	223	25	ug/kg wet	250.5		89.2	78-115			
Dibromomethane	245	25	ug/kg wet	250.5		97.8	81.6-117			
Dichlorodifluoromethane	159	25	ug/kg wet	250.5		63.4	39.6-115			
Diisopropyl Ether	255	25	ug/kg wet	250.5		102	77.5-120			
Ethylbenzene	236	25	ug/kg wet	250.5		94.2	82.3-110			
Hexachlorobutadiene	244	100	ug/kg wet	250.5		97.4	80.1-115			
Isopropylbenzene	241	25	ug/kg wet	250.5		96.2	82.9-114			
m,p-Xylene	487	50	ug/kg wet	501.0		97.3	81.8-111			
Methyl t-Butyl Ether	185	25	ug/kg wet	250.5		74.0	75.4-124			
Methylene chloride	147	100	ug/kg wet	250.5		58.6	62.2-132			
Naphthalene	255	250	ug/kg wet	250.5		102	67.8-111			
n-Butyl Benzene	245	25	ug/kg wet	250.5		98.0	78.8-115			
n-Propyl Benzene	243	25	ug/kg wet	250.5		97.0	82.9-111			
o-Xylene	248	25	ug/kg wet	250.5		99.0	81.5-111			
p-Isopropyltoluene	243	25	ug/kg wet	250.5		97.2	83.3-111			
sec-Butyl Benzene	247	25	ug/kg wet	250.5		98.8	83.4-113			
Styrene	241	25	ug/kg wet	250.5		96.4	81.5-110			
tert-Butylbenzene	238	25	ug/kg wet	250.5		95.2	82.4-113			
Tetrachloroethene	235	25	ug/kg wet	250.5		93.8	73.7-114			
Tetrahydrofuran	2470	500	ug/kg wet	2505		98.6	69.8-127			
Toluene	228	25	ug/kg wet	250.5		91.2	77.5-112			
trans-1,2-Dichloroethene	179	25	ug/kg wet	250.5		71.4	73.5-116			
trans-1,3-Dichloropropene	243	25	ug/kg wet	250.5		97.0	80.9-110			
Trichloroethene	225	25	ug/kg wet	250.5		90.0	79.5-110			
Vinyl chloride	172	25	ug/kg wet	250.5		68.6	49.9-123			
Surrogate: Toluene-d8	230		ug/kg wet	250.5		91.8	61.9-110			
Surrogate: 4-Bromofluorobenzene	232		ug/kg wet	250.5		92.8	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	233		ug/kg wet	250.5		93.0	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**LCS Dup (A006206-BSD1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:59

1,1,1,2-Tetrachloroethane	237	25	ug/kg wet	249.3		95.0	85.9-112	0.346	20	
1,1,1-Trichloroethane	227	25	ug/kg wet	249.3		91.2	73.1-128	1.59	20	
1,1,2,2-Tetrachloroethane	241	25	ug/kg wet	249.3		96.6	76-118	1.38	20	
1,1,2-Trichloroethane	247	25	ug/kg wet	249.3		99.2	82.5-115	0.513	20	
1,1,2-Trichlorotrifluoroethane	109	25	ug/kg wet	249.3		43.6	63.5-140	11.7	20	
1,1-Dichloroethane	232	25	ug/kg wet	249.3		93.0	73-123	1.14	20	
1,1-Dichloroethene	109	25	ug/kg wet	249.3		43.8	56.6-131	7.58	20	
1,1-Dichloropropene	222	25	ug/kg wet	249.3		89.0	82.8-113	0.275	20	
1,2,3-Trichlorobenzene	249	100	ug/kg wet	249.3		99.8	79.2-108	1.12	20	
1,2,3-Trichloropropane	238	50	ug/kg wet	249.3		95.6	76.9-118	1.33	20	
1,2,4-Trichlorobenzene	247	100	ug/kg wet	249.3		99.2	75.5-109	1.50	20	
1,2,4-Trimethylbenzene	251	25	ug/kg wet	249.3		101	84.8-111	0.902	20	
1,2-Dibromo-3-chloropropane	194	25	ug/kg wet	249.3		77.8	64.6-118	2.28	20	
1,2-Dibromoethane (EDB)	235	25	ug/kg wet	249.3		94.4	83.4-112	2.39	20	
1,2-Dichlorobenzene	239	25	ug/kg wet	249.3		96.0	80-120	0.127	20	
1,2-Dichloroethane	239	25	ug/kg wet	249.3		96.0	67.3-134	2.36	20	
1,2-Dichloropropane	236	25	ug/kg wet	249.3		94.6	82.8-111	0.563	20	
1,3,5-Trimethylbenzene	249	25	ug/kg wet	249.3		100	85.5-111	1.11	20	
1,3-Dichlorobenzene	233	25	ug/kg wet	249.3		93.6	80-120	4.07	20	
1,3-Dichloropropane	237	25	ug/kg wet	249.3		95.2	83.5-113	0.500	20	
1,4-Dichlorobenzene	239	25	ug/kg wet	249.3		95.8	80-120	0.339	20	
2,2-Dichloropropane	246	25	ug/kg wet	249.3		98.8	69.7-125	2.90	20	
2-Butanone	3380	1000	ug/kg wet	2493		136	67.8-128	7.96	20	
2-Chlorotoluene	241	25	ug/kg wet	249.3		96.8	80-120	0.122	20	
2-Hexanone	2650	1000	ug/kg wet	2493		106	73.5-124	3.59	20	
4-Chlorotoluene	246	25	ug/kg wet	249.3		98.6	83.4-111	0.315	20	
4-Methyl-2-pentanone	2340	1000	ug/kg wet	2493		94.0	77.8-123	2.40	20	
Acetone	2590	1000	ug/kg wet	2493		104	40.1-182	11.8	20	
Benzene	223	25	ug/kg wet	249.3		89.4	77.1-115	1.39	20	
Bromobenzene	239	25	ug/kg wet	249.3		95.8	80-120	0.339	20	
Bromochloromethane	262	25	ug/kg wet	249.3		105	76.8-121	0.457	20	
Bromodichloromethane	221	25	ug/kg wet	249.3		88.6	78.9-117	1.78	20	
Bromoform	195	25	ug/kg wet	249.3		78.2	70.9-116	1.26	20	
Carbon disulfide	117	25	ug/kg wet	249.3		46.8	50.7-131	8.90	20	
Carbon tetrachloride	215	25	ug/kg wet	249.3		86.2	70.8-119	1.61	20	
Chlorobenzene	242	25	ug/kg wet	249.3		97.2	81.2-111	0.534	20	
Chloroform	230	25	ug/kg wet	249.3		92.4	72.4-127	2.22	20	B
Chloromethane	154	50	ug/kg wet	249.3		61.8	52.6-126	1.14	20	
cis-1,2-Dichloroethene	246	25	ug/kg wet	249.3		98.6	76-115	0.520	20	
cis-1,3-Dichloropropene	231	25	ug/kg wet	249.3		92.6	80-120	1.15	20	
Dibromochloromethane	219	25	ug/kg wet	249.3		87.8	78-115	2.08	20	
Dibromomethane	242	25	ug/kg wet	249.3		97.0	81.6-117	1.32	20	
Dichlorodifluoromethane	160	25	ug/kg wet	249.3		64.2	39.6-115	0.754	20	
Diisopropyl Ether	256	25	ug/kg wet	249.3		103	77.5-120	0.478	20	
Ethylbenzene	236	25	ug/kg wet	249.3		94.8	82.3-110	0.135	20	
Hexachlorobutadiene	243	100	ug/kg wet	249.3		97.6	80.1-115	0.295	20	
Isopropylbenzene	245	25	ug/kg wet	249.3		98.2	82.9-114	1.56	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006206 - EPA 5030B**

**LCS Dup (A006206-BSD1)**

Prepared: 06/29/2020 Analyzed: 07/02/2020 14:59

m,p-Xylene	483	50	ug/kg wet	498.5		96.8	81.8-111	1.01	20	
Methyl t-Butyl Ether	184	25	ug/kg wet	249.3		73.8	75.4-124	0.770	20	
Methylene chloride	140	100	ug/kg wet	249.3		56.0	62.2-132	5.04	20	
Naphthalene	252	250	ug/kg wet	249.3		101	67.8-111	1.09	20	
n-Butyl Benzene	244	25	ug/kg wet	249.3		98.0	78.8-115	0.500	20	
n-Propyl Benzene	245	25	ug/kg wet	249.3		98.2	82.9-111	0.730	20	
o-Xylene	243	25	ug/kg wet	249.3		97.6	81.5-111	1.92	20	
p-Isopropyltoluene	246	25	ug/kg wet	249.3		98.8	83.3-111	1.13	20	
sec-Butyl Benzene	246	25	ug/kg wet	249.3		98.8	83.4-113	0.500	20	
Styrene	242	25	ug/kg wet	249.3		97.0	81.5-110	0.121	20	
tert-Butylbenzene	240	25	ug/kg wet	249.3		96.4	82.4-113	0.753	20	
Tetrachloroethene	231	25	ug/kg wet	249.3		92.6	73.7-114	1.79	20	
Tetrahydrofuran	2470	500	ug/kg wet	2493		99.2	69.8-127	0.107	20	
Toluene	226	25	ug/kg wet	249.3		90.8	77.5-112	0.939	20	
trans-1,2-Dichloroethene	166	25	ug/kg wet	249.3		66.6	73.5-116	7.46	20	
trans-1,3-Dichloropropene	239	25	ug/kg wet	249.3		96.0	80.9-110	1.54	20	
Trichloroethene	226	25	ug/kg wet	249.3		90.6	79.5-110	0.165	20	
Vinyl chloride	173	25	ug/kg wet	249.3		69.4	49.9-123	0.660	20	
<i>Surrogate: Toluene-d8</i>	228		<i>ug/kg wet</i>	249.3		91.6	61.9-110			
<i>Surrogate: 4-Bromofluorobenzene</i>	233		<i>ug/kg wet</i>	249.3		93.4	59.1-115			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	232		<i>ug/kg wet</i>	249.3		93.0	80-120			

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**Classical Chemistry Parameters - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006204 - % Solids**

**Duplicate (A006204-DUP1)**

**Source: A202701-21**

Prepared: 06/29/2020 Analyzed: 06/30/2020 07:20

% Solids	64.3	0.00	% by Weight		64.3			0.0416	20	
----------	------	------	-------------	--	------	--	--	--------	----	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- E1 Estimated value because of quality control sample exceedances.
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 13673

Page: 1 of 1

Lab Work Order #: **A202703**

Report To: \_\_\_\_\_

Company: **ERM**

Project Number: **044161** PO Number: \_\_\_\_\_

Project Name: **910 Myer LLC - EOC INVEST.**

Project Location (City, State): **Madison, WI**

Turn Around (check one):  Normal  Rush

If Rush, Report Due Date: \_\_\_\_\_

Sampled By (Print): **ERM**

Preservation Codes

Analyses Requested

**F A**

Invoice To: \_\_\_\_\_

Company: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

Sample Description	Collection		Matrix	Total # of Containers	VOCS	dry weight					Comments	Lab ID	Lab Receipt Time
	Date	Time											
TS-GP-3(0-1)-20200629	6/29/20	1230	G	3	2	1					1.9 ppm	01	
TS-GP-3(4-5)-20200629	↓	1235	↓	3	2	1					3.2 ppm	02	
TS-GP-3(11-12)-20200629	↓	1240	↓	3	2	1					2.3 ppm	03	
TS-GP-3(12-13)-20200629	↓	1245	↓	3	2	1					3.0 ppm	04	
DUP-1-20200629	↓	-	↓	3	2	1					-	05	

**Preservation Codes**  
 A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>  
 D=HNO<sub>3</sub> E=EnCore F=Methanol  
 G=NaOH O=Other (Indicate)

**Matrix Codes**  
 A=Air S=Soil W=Water O=Other

**Other Comments:**

Relinquished By: *Eric Smith*

Date: **6/29/20** Time: **12:20**

Received By: *[Signature]*

Date: **6/29/20** Time: **16:40**

Relinquished By: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Custody Seal:  NA  Intact  Not Intact

Shipped Via: **Kick Up On Ice**

Receipt Temp: \_\_\_\_\_ Thermometer #/ Exp. Date: \_\_\_\_\_

Temp Blank:  Y  N

Page 20 of 20 A202703 FINAL 07 09 2020 1323



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 06/30/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020



ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-GP-8(2-3)-20200630	A202705-01	Soil	06/30/2020	06/30/2020
TS-GP-8(5-6)-20200630	A202705-02	Soil	06/30/2020	06/30/2020
TS-GP-8(8-9)-20200630	A202705-03	Soil	06/30/2020	06/30/2020
TS-GP-8(15-16)-20200630	A202705-04	Soil	06/30/2020	06/30/2020
TS-GP-8(17-18)-20200630	A202705-05	Soil	06/30/2020	06/30/2020
TS-GP-4(2-3)-20200630	A202705-06	Soil	06/30/2020	06/30/2020
TS-GP-4(5-6)-20200630	A202705-07	Soil	06/30/2020	06/30/2020
TS-GP-4(9-10)-20200630	A202705-08	Soil	06/30/2020	06/30/2020
TS-GP-4(13-14)-20200630	A202705-09	Soil	06/30/2020	06/30/2020
TS-GP-4(18-19)-20200630	A202705-10	Soil	06/30/2020	06/30/2020
TS-VAS-021(14-19)-20200630	A202705-11	Water	06/30/2020	06/30/2020
TS-VAS-021(20-24)-20200630	A202705-12	Water	06/30/2020	06/30/2020
TS-VAS-021(26-30)-20200630	A202705-13	Water	06/30/2020	06/30/2020
TS-VAS-022(16-20)-20200630	A202705-14	Water	06/30/2020	06/30/2020
TS-VAS-022(21-25)-20200630	A202705-15	Water	06/30/2020	06/30/2020
TS-VAS-022(26-30)-20200630	A202705-16	Water	06/30/2020	06/30/2020

**CASE NARRATIVE**

**Sample Receipt Information:**

16 samples were received on 06/30/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

**Laboratory Control Samples (LCS):**

All analytes were biased low in A006210-BS1 due to an apparent spiking error. Data is deemed acceptable because the recoveries of all the target analytes were acceptable in A006210-BSD1.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(2-3)-20200630**

**A202705-01 (Soil)**

Date Sampled  
**06/30/2020 08:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	6.1	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1,1-Trichloroethane	ND	5.8	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	4.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1,2-Trichloroethane	ND	5.0	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	3.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1-Dichloroethane	ND	7.4	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1-Dichloroethene	ND	5.8	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,1-Dichloropropene	ND	2.8	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.4	79	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2,3-Trichloropropane	ND	5.1	40	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2,4-Trichlorobenzene	ND	5.1	79	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.8	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	8.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	3.9	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2-Dichlorobenzene	ND	2.1	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2-Dichloroethane	ND	3.6	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,2-Dichloropropane	ND	6.1	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.9	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,3-Dichlorobenzene	ND	3.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,3-Dichloropropane	ND	3.6	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
1,4-Dichlorobenzene	ND	3.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
2,2-Dichloropropane	ND	7.9	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
2-Butanone	ND	140	790	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
2-Chlorotoluene	ND	2.1	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
2-Hexanone	ND	23	790	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
4-Chlorotoluene	ND	2.5	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
4-Methyl-2-pentanone	ND	31	790	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Acetone	ND	120	790	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Benzene	ND	1.3	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Bromobenzene	ND	4.0	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Bromochloromethane	ND	7.6	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Bromodichloromethane	ND	2.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Bromoform	ND	12	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Carbon disulfide	ND	1.8	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Carbon tetrachloride	ND	3.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Chlorobenzene	ND	2.9	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Chloroform	ND	3.0	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Chloromethane	ND	6.3	40	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
cis-1,2-Dichloroethene	ND	6.3	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
cis-1,3-Dichloropropene	ND	4.4	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Dibromochloromethane	ND	4.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Dibromomethane	ND	8.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(2-3)-20200630**

Date Sampled  
**06/30/2020 08:10**

**A202705-01 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Dichlorodifluoromethane	ND	4.0	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Diisopropyl Ether	ND	11	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Ethylbenzene	ND	1.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Hexachlorobutadiene	ND	5.1	79	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Isopropylbenzene	ND	1.8	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
m,p-Xylene	ND	2.5	40	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Methyl t-Butyl Ether	ND	3.4	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Methylene chloride	ND	5.5	79	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
<b>Naphthalene</b>	<b>4.4</b>	3.0	200	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	J, B
n-Butyl Benzene	ND	2.5	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
n-Propyl Benzene	ND	2.7	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
o-Xylene	ND	2.4	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
p-Isopropyltoluene	ND	2.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
sec-Butyl Benzene	ND	1.9	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Styrene	ND	3.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
tert-Butylbenzene	ND	2.1	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Tetrachloroethene	ND	4.5	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Tetrahydrofuran	ND	87	400	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Toluene	ND	3.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
trans-1,2-Dichloroethene	ND	3.6	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
trans-1,3-Dichloropropene	ND	3.4	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Trichloroethene	ND	3.2	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Vinyl chloride	ND	4.6	20	ug/kg dry	1	06/30/2020	06/30/2020 15:33	EPA 8260B	
Surrogate: Toluene-d8			71.5 %	61.9-110		06/30/2020	06/30/2020 15:33	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			77.6 %	59.1-115		06/30/2020	06/30/2020 15:33	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			66.6 %	80-120		06/30/2020	06/30/2020 15:33	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>73.5</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(5-6)-20200630**

Date Sampled  
**06/30/2020 08:15**

**A202705-02 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	24	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1,1-Trichloroethane	ND	23	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	19	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1,2-Trichloroethane	ND	20	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1-Dichloroethane	ND	29	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1-Dichloroethene	ND	23	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,1-Dichloropropene	ND	11	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	17	310	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2,3-Trichloropropane	ND	20	160	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2,4-Trichlorobenzene	ND	20	310	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	11	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	34	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	15	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2-Dichlorobenzene	ND	8.4	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2-Dichloroethane	ND	14	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,2-Dichloropropane	ND	24	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,3-Dichlorobenzene	ND	15	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,3-Dichloropropane	ND	14	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
1,4-Dichlorobenzene	ND	12	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
2,2-Dichloropropane	ND	31	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
2-Butanone	ND	560	3100	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
2-Chlorotoluene	ND	8.1	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
2-Hexanone	ND	91	3100	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
4-Chlorotoluene	ND	9.7	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
4-Methyl-2-pentanone	ND	120	3100	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Acetone	ND	470	3100	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Benzene	ND	5.0	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Bromobenzene	ND	16	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Bromochloromethane	ND	30	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Bromodichloromethane	ND	11	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Bromoform	ND	47	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Carbon disulfide	ND	7.2	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Carbon tetrachloride	ND	13	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Chlorobenzene	ND	12	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Chloroform	ND	12	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Chloromethane	ND	25	160	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	25	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
cis-1,3-Dichloropropene	ND	17	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Dibromochloromethane	ND	17	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Dibromomethane	ND	34	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Dichlorodifluoromethane	ND	16	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(5-6)-20200630**

Date Sampled  
**06/30/2020 08:15**

**A202705-02 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	44	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Ethylbenzene	ND	6.6	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Hexachlorobutadiene	ND	20	310	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Isopropylbenzene	ND	7.2	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
m,p-Xylene	ND	9.7	160	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Methyl t-Butyl Ether	ND	13	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
<b>Methylene chloride</b>	<b>23</b>	22	310	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	J
<b>Naphthalene</b>	<b>22</b>	12	780	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	J, B
n-Butyl Benzene	ND	10	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
n-Propyl Benzene	ND	11	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
o-Xylene	ND	9.4	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
p-Isopropyltoluene	ND	8.7	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
sec-Butyl Benzene	ND	7.5	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Styrene	ND	12	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
tert-Butylbenzene	ND	8.4	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Tetrachloroethene	ND	18	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Tetrahydrofuran	ND	340	1600	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Toluene	ND	12	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	14	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
trans-1,3-Dichloropropene	ND	13	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Trichloroethene	ND	13	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	
Vinyl chloride	ND	18	78	ug/kg dry	1	06/30/2020	06/30/2020 16:00	EPA 8260B	

Surrogate: Toluene-d8

72.1 % 61.9-110

06/30/2020 06/30/2020 16:00

EPA 8260B

Surrogate: 4-Bromofluorobenzene

78.0 % 59.1-115

06/30/2020 06/30/2020 16:00

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

66.4 % 80-120

06/30/2020 06/30/2020 16:00

EPA 8260B

S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>39.6</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(8-9)-20200630**

**A202705-03 (Soil)**

**Date Sampled**  
**06/30/2020 08:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

1,1,1,2-Tetrachloroethane	ND	18	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1,1-Trichloroethane	ND	17	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	14	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1,2-Trichloroethane	ND	14	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	9.4	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1-Dichloroethane	ND	21	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1-Dichloroethene	ND	17	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,1-Dichloropropene	ND	8.2	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2,3-Trichlorobenzene	ND	13	230	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2,3-Trichloropropane	ND	15	110	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2,4-Trichlorobenzene	ND	15	230	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.0	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	11	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2-Dichlorobenzene	ND	6.2	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2-Dichloroethane	ND	10	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,2-Dichloropropane	ND	18	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.5	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,3-Dichlorobenzene	ND	11	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,3-Dichloropropane	ND	10	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
1,4-Dichlorobenzene	ND	9.1	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
2,2-Dichloropropane	ND	23	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
2-Butanone	ND	410	2300	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
2-Chlorotoluene	ND	5.9	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
2-Hexanone	ND	66	2300	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
4-Chlorotoluene	ND	7.1	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
4-Methyl-2-pentanone	ND	89	2300	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Acetone	ND	340	2300	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Benzene	ND	3.7	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Bromobenzene	ND	12	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Bromochloromethane	ND	22	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Bromodichloromethane	ND	7.8	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Bromoform	ND	34	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Carbon disulfide	ND	5.2	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Carbon tetrachloride	ND	9.4	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Chlorobenzene	ND	8.4	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Chloroform	ND	8.7	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Chloromethane	ND	18	110	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
cis-1,2-Dichloroethene	ND	18	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
cis-1,3-Dichloropropene	ND	13	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Dibromochloromethane	ND	12	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Dibromomethane	ND	25	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Dichlorodifluoromethane	ND	12	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(8-9)-20200630**

Date Sampled  
**06/30/2020 08:20**

**A202705-03 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	32	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Ethylbenzene	ND	4.8	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Hexachlorobutadiene	ND	15	230	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Isopropylbenzene	ND	5.2	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
m,p-Xylene	ND	7.1	110	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Methyl t-Butyl Ether	ND	9.8	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
<b>Methylene chloride</b>	<b>23</b>	16	230	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	J
<b>Naphthalene</b>	<b>11</b>	8.7	570	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	B, J
n-Butyl Benzene	ND	7.3	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
n-Propyl Benzene	ND	7.8	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
o-Xylene	ND	6.8	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
p-Isopropyltoluene	ND	6.4	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
sec-Butyl Benzene	ND	5.5	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Styrene	ND	9.1	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
tert-Butylbenzene	ND	6.2	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Tetrachloroethene	ND	13	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Tetrahydrofuran	ND	250	1100	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Toluene	ND	9.1	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	10	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.8	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Trichloroethene	ND	9.4	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	
Vinyl chloride	ND	13	57	ug/kg dry	1	06/30/2020	06/30/2020 16:28	EPA 8260B	

Surrogate: Toluene-d8

82.8 % 61.9-110

06/30/2020 06/30/2020 16:28

EPA 8260B

Surrogate: 4-Bromofluorobenzene

90.7 % 59.1-115

06/30/2020 06/30/2020 16:28

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

78.1 % 80-120

06/30/2020 06/30/2020 16:28

EPA 8260B

S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>57.4</b>	0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(15-16)-20200630**

**A202705-04 (Soil)**

**Date Sampled**  
**06/30/2020 08:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1,1-Trichloroethane	ND	11	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.2	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1,2-Trichloroethane	ND	9.6	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.3	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1-Dichloroethane	ND	14	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1-Dichloroethene	ND	11	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,1-Dichloropropene	ND	5.5	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.4	150	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2,3-Trichloropropane	ND	9.9	76	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.8	150	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.3	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	17	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.5	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2-Dichlorobenzene	ND	4.1	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2-Dichloroethane	ND	7.0	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,2-Dichloropropane	ND	12	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.7	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,3-Dichlorobenzene	ND	7.2	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,3-Dichloropropane	ND	7.0	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
1,4-Dichlorobenzene	ND	6.1	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
2,2-Dichloropropane	ND	15	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
2-Butanone	ND	270	1500	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
2-Chlorotoluene	ND	4.0	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
2-Hexanone	ND	44	1500	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
4-Chlorotoluene	ND	4.7	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
4-Methyl-2-pentanone	ND	60	1500	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Acetone	ND	230	1500	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Benzene	ND	2.4	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Bromobenzene	ND	7.8	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Bromochloromethane	ND	15	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Bromodichloromethane	ND	5.2	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Bromoform	ND	23	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Carbon disulfide	ND	3.5	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Carbon tetrachloride	ND	6.3	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Chlorobenzene	ND	5.6	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Chloroform	ND	5.8	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Chloromethane	ND	12	76	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.5	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Dibromochloromethane	ND	8.1	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Dibromomethane	ND	17	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Dichlorodifluoromethane	ND	7.8	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(15-16)-20200630**

Date Sampled  
**06/30/2020 08:25**

**A202705-04 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	21	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Ethylbenzene	ND	3.2	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Hexachlorobutadiene	ND	9.8	150	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Isopropylbenzene	ND	3.5	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
m,p-Xylene	ND	4.7	76	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Methyl t-Butyl Ether	ND	6.6	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Methylene chloride	ND	11	150	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Naphthalene	ND	5.8	380	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
n-Butyl Benzene	ND	4.9	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
n-Propyl Benzene	ND	5.2	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
o-Xylene	ND	4.6	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
p-Isopropyltoluene	ND	4.3	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
sec-Butyl Benzene	ND	3.7	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Styrene	ND	6.1	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
tert-Butylbenzene	ND	4.1	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Tetrachloroethene	ND	8.7	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Tetrahydrofuran	ND	170	760	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Toluene	ND	6.1	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.9	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.6	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Trichloroethene	ND	6.3	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Vinyl chloride	ND	8.9	38	ug/kg dry	1	06/30/2020	06/30/2020 16:55	EPA 8260B	
Surrogate: Toluene-d8			67.9 %	61.9-110		06/30/2020	06/30/2020 16:55	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			71.7 %	59.1-115		06/30/2020	06/30/2020 16:55	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			60.8 %	80-120		06/30/2020	06/30/2020 16:55	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

% Solids	79.3		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
----------	------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(17-18)-20200630**

**A202705-05 (Soil)**

**Date Sampled**  
**06/30/2020 08:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	7.9	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1,1-Trichloroethane	ND	7.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	6.1	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1,2-Trichloroethane	ND	6.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1-Dichloroethane	ND	9.5	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1-Dichloroethene	ND	7.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,1-Dichloropropene	ND	3.7	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.6	100	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2,3-Trichloropropane	ND	6.6	51	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2,4-Trichlorobenzene	ND	6.5	100	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.6	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	11	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.0	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2-Dichlorobenzene	ND	2.8	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2-Dichloroethane	ND	4.7	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,2-Dichloropropane	ND	7.9	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,3-Dichlorobenzene	ND	4.8	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,3-Dichloropropane	ND	4.7	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
1,4-Dichlorobenzene	ND	4.1	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
2,2-Dichloropropane	ND	10	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
2-Butanone	ND	180	1000	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
2-Chlorotoluene	ND	2.7	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
2-Hexanone	ND	30	1000	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
4-Chlorotoluene	ND	3.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
4-Methyl-2-pentanone	ND	40	1000	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Acetone	ND	150	1000	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Benzene	ND	1.6	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Bromobenzene	ND	5.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Bromochloromethane	ND	9.8	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Bromodichloromethane	ND	3.5	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Bromoform	ND	15	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Carbon disulfide	ND	2.3	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Carbon tetrachloride	ND	4.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Chlorobenzene	ND	3.8	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Chloroform	ND	3.9	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Chloromethane	ND	8.1	51	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>34</b>	8.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
cis-1,3-Dichloropropene	ND	5.7	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Dibromochloromethane	ND	5.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Dibromomethane	ND	11	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Dichlorodifluoromethane	ND	5.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-8(17-18)-20200630**

Date Sampled

**A202705-05 (Soil)**

**06/30/2020 08:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	14	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Ethylbenzene	ND	2.1	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Hexachlorobutadiene	ND	6.5	100	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Isopropylbenzene	ND	2.3	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
m,p-Xylene	ND	3.2	51	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Methyl t-Butyl Ether	ND	4.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
<b>Methylene chloride</b>	<b>9.7</b>	7.1	100	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	J
Naphthalene	ND	3.9	250	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
n-Butyl Benzene	ND	3.3	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
n-Propyl Benzene	ND	3.5	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
o-Xylene	ND	3.1	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
p-Isopropyltoluene	ND	2.9	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
sec-Butyl Benzene	ND	2.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Styrene	ND	4.1	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
tert-Butylbenzene	ND	2.8	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Tetrachloroethene	ND	5.8	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Tetrahydrofuran	ND	110	510	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Toluene	ND	4.1	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
<b>trans-1,2-Dichloroethene</b>	<b>9.7</b>	4.6	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	J
trans-1,3-Dichloropropene	ND	4.4	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Trichloroethene	ND	4.2	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
<b>Vinyl chloride</b>	<b>48</b>	5.9	25	ug/kg dry	1	06/30/2020	06/30/2020 17:39	EPA 8260B	
Surrogate: Toluene-d8			87.6 %	61.9-110		06/30/2020	06/30/2020 17:39	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			94.1 %	59.1-115		06/30/2020	06/30/2020 17:39	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			79.1 %	80-120		06/30/2020	06/30/2020 17:39	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>86.1</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(2-3)-20200630**

**A202705-06 (Soil)**

**Date Sampled**  
**06/30/2020 08:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

1,1,1,2-Tetrachloroethane	ND	15	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,1,1-Trichloroethane	ND	14	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	11	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>330</b>	12	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.8	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,1-Dichloroethane	ND	18	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,1-Dichloroethene	ND	14	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,1-Dichloropropene	ND	6.9	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	10	190	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2,3-Trichloropropane	ND	12	95	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	12	190	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.7	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	21	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	9.3	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2-Dichlorobenzene	ND	5.2	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>75</b>	8.8	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,2-Dichloropropane	ND	15	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.6	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,3-Dichlorobenzene	ND	9.0	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,3-Dichloropropane	ND	8.8	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
1,4-Dichlorobenzene	ND	7.6	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
2,2-Dichloropropane	ND	19	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
2-Butanone	ND	340	1900	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
2-Chlorotoluene	ND	5.0	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
2-Hexanone	ND	55	1900	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
4-Chlorotoluene	ND	5.9	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
4-Methyl-2-pentanone	ND	74	1900	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Acetone	ND	290	1900	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Benzene	ND	3.1	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Bromobenzene	ND	9.7	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Bromochloromethane	ND	18	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Bromodichloromethane	ND	6.5	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Bromoform	ND	29	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Carbon disulfide	ND	4.4	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Carbon tetrachloride	ND	7.8	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Chlorobenzene	ND	7.1	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Chloroform	ND	7.3	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Chloromethane	ND	15	95	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
cis-1,2-Dichloroethene	ND	15	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
cis-1,3-Dichloropropene	ND	11	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Dibromochloromethane	ND	10	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Dibromomethane	ND	21	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Dichlorodifluoromethane	ND	9.7	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(2-3)-20200630**

Date Sampled  
**06/30/2020 08:35**

**A202705-06 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	27	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Ethylbenzene	ND	4.0	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Hexachlorobutadiene	ND	12	190	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Isopropylbenzene	ND	4.4	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
m,p-Xylene	ND	5.9	95	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Methyl t-Butyl Ether	ND	8.2	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Methylene chloride	ND	13	190	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
<b>Naphthalene</b>	<b>35</b>	7.3	480	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	B, J
n-Butyl Benzene	ND	6.1	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
n-Propyl Benzene	ND	6.5	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
o-Xylene	ND	5.7	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
p-Isopropyltoluene	ND	5.3	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
sec-Butyl Benzene	ND	4.6	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Styrene	ND	7.6	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
tert-Butylbenzene	ND	5.2	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
<b>Tetrachloroethene</b>	<b>150</b>	11	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Tetrahydrofuran	ND	210	950	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Toluene	ND	7.6	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	8.6	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
trans-1,3-Dichloropropene	ND	8.2	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
<b>Trichloroethene</b>	<b>68</b>	7.8	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Vinyl chloride	ND	11	48	ug/kg dry	1	06/30/2020	06/30/2020 20:34	EPA 8260B	
Surrogate: Toluene-d8			60.2 %	61.9-110		06/30/2020	06/30/2020 20:34	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			68.8 %	59.1-115		06/30/2020	06/30/2020 20:34	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			52.5 %	80-120		06/30/2020	06/30/2020 20:34	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>86.2</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(5-6)-20200630**

**A202705-07 (Soil)**

**Date Sampled**  
**06/30/2020 08:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

1,1,1,2-Tetrachloroethane	ND	3.9	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1,1-Trichloroethane	ND	3.7	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	3.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1,2-Trichloroethane	ND	3.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	2.1	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1-Dichloroethane	ND	4.7	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1-Dichloroethene	ND	3.7	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,1-Dichloropropene	ND	1.8	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.8	50	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2,3-Trichloropropane	ND	3.3	25	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	3.2	50	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	1.8	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	5.5	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	2.5	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,2-Dichlorobenzene	ND	1.4	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>9.3</b>	2.3	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	J
1,2-Dichloropropane	ND	3.9	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,3-Dichlorobenzene	ND	2.4	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,3-Dichloropropane	ND	2.3	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
1,4-Dichlorobenzene	ND	2.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
2,2-Dichloropropane	ND	5.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
2-Butanone	ND	90	500	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
2-Chlorotoluene	ND	1.3	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
2-Hexanone	ND	15	500	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
4-Chlorotoluene	ND	1.6	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
4-Methyl-2-pentanone	ND	20	500	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Acetone	ND	75	500	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Benzene	ND	0.80	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Bromobenzene	ND	2.6	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Bromochloromethane	ND	4.8	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Bromodichloromethane	ND	1.7	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Bromoform	ND	7.5	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Carbon disulfide	ND	1.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Carbon tetrachloride	ND	2.1	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Chlorobenzene	ND	1.9	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Chloroform	ND	1.9	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Chloromethane	ND	4.0	25	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	4.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
cis-1,3-Dichloropropene	ND	2.8	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Dibromochloromethane	ND	2.7	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Dibromomethane	ND	5.5	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Dichlorodifluoromethane	ND	2.6	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(5-6)-20200630**

Date Sampled  
**06/30/2020 08:40**

**A202705-07 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	7.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Ethylbenzene	ND	1.1	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Hexachlorobutadiene	ND	3.2	50	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Isopropylbenzene	ND	1.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
m,p-Xylene	ND	1.6	25	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Methyl t-Butyl Ether	ND	2.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Methylene chloride	ND	3.5	50	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
<b>Naphthalene</b>	<b>3.0</b>	1.9	130	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	B, J
n-Butyl Benzene	ND	1.6	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
n-Propyl Benzene	ND	1.7	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
o-Xylene	ND	1.5	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
p-Isopropyltoluene	ND	1.4	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
sec-Butyl Benzene	ND	1.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Styrene	ND	2.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
tert-Butylbenzene	ND	1.4	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Tetrachloroethene	ND	2.9	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Tetrahydrofuran	ND	55	250	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Toluene	ND	2.0	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	2.3	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.2	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Trichloroethene	ND	2.1	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Vinyl chloride	ND	2.9	13	ug/kg dry	1	06/30/2020	06/30/2020 21:03	EPA 8260B	
Surrogate: Toluene-d8			50.4 %	61.9-110		06/30/2020	06/30/2020 21:03	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			57.8 %	59.1-115		06/30/2020	06/30/2020 21:03	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			47.0 %	80-120		06/30/2020	06/30/2020 21:03	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>88.5</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(9-10)-20200630**

**A202705-08 (Soil)**

**Date Sampled**  
**06/30/2020 08:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.1	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1,1-Trichloroethane	ND	8.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.1	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1,2-Trichloroethane	ND	7.5	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.9	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1-Dichloroethene	ND	8.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,1-Dichloropropene	ND	4.3	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.5	120	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2,3-Trichloropropane	ND	7.7	59	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.6	120	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.2	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.8	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2-Dichlorobenzene	ND	3.2	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>36</b>	5.5	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,2-Dichloropropane	ND	9.1	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.8	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,3-Dichlorobenzene	ND	5.6	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,3-Dichloropropane	ND	5.5	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
1,4-Dichlorobenzene	ND	4.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
2-Chlorotoluene	ND	3.1	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
4-Chlorotoluene	ND	3.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
4-Methyl-2-pentanone	ND	46	1200	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Benzene	ND	1.9	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Bromobenzene	ND	6.0	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Bromochloromethane	ND	11	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Bromodichloromethane	ND	4.0	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Carbon disulfide	ND	2.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Carbon tetrachloride	ND	4.9	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Chlorobenzene	ND	4.4	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Chloroform	ND	4.5	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Chloromethane	ND	9.4	59	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.5	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.6	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Dibromochloromethane	ND	6.3	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Dichlorodifluoromethane	ND	6.0	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(9-10)-20200630**

**A202705-08 (Soil)**

**Date Sampled**  
**06/30/2020 08:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	17	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Ethylbenzene	ND	2.5	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Hexachlorobutadiene	ND	7.6	120	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Isopropylbenzene	ND	2.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
m,p-Xylene	ND	3.7	59	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Methyl t-Butyl Ether	ND	5.1	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Methylene chloride	ND	8.3	120	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Naphthalene	ND	4.5	300	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
n-Butyl Benzene	ND	3.8	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
n-Propyl Benzene	ND	4.0	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
o-Xylene	ND	3.6	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
p-Isopropyltoluene	ND	3.3	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
sec-Butyl Benzene	ND	2.8	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Styrene	ND	4.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
tert-Butylbenzene	ND	3.2	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Tetrachloroethene	ND	6.8	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Tetrahydrofuran	ND	130	590	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Toluene	ND	4.7	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.3	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.1	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Trichloroethene	ND	4.9	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Vinyl chloride	ND	6.9	30	ug/kg dry	1	06/30/2020	06/30/2020 21:30	EPA 8260B	
Surrogate: Toluene-d8			89.3 %	61.9-110		06/30/2020	06/30/2020 21:30	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			101 %	59.1-115		06/30/2020	06/30/2020 21:30	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			81.1 %	80-120		06/30/2020	06/30/2020 21:30	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>78.0</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(13-14)-20200630**

**A202705-09 (Soil)**

**Date Sampled**  
**06/30/2020 08:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	14	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1,1-Trichloroethane	ND	13	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	11	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1,2-Trichloroethane	ND	11	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.2	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1-Dichloroethane	ND	16	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1-Dichloroethene	ND	13	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,1-Dichloropropene	ND	6.3	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2,3-Trichlorobenzene	ND	9.7	180	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2,3-Trichloropropane	ND	11	88	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2,4-Trichlorobenzene	ND	11	180	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.2	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	19	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.6	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,2-Dichlorobenzene	ND	4.8	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>24</b>	8.1	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	J
1,2-Dichloropropane	ND	14	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.2	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,3-Dichlorobenzene	ND	8.3	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,3-Dichloropropane	ND	8.1	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
2,2-Dichloropropane	ND	18	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
2-Butanone	ND	320	1800	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
2-Chlorotoluene	ND	4.6	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
2-Hexanone	ND	51	1800	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
4-Chlorotoluene	ND	5.5	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
4-Methyl-2-pentanone	ND	69	1800	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Acetone	ND	260	1800	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Benzene	ND	2.8	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Bromobenzene	ND	9.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Bromochloromethane	ND	17	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Bromodichloromethane	ND	6.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Bromoform	ND	26	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Carbon disulfide	ND	4.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Carbon tetrachloride	ND	7.2	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Chlorobenzene	ND	6.5	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Chloroform	ND	6.7	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Chloromethane	ND	14	88	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
cis-1,2-Dichloroethene	ND	14	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
cis-1,3-Dichloropropene	ND	9.9	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Dibromochloromethane	ND	9.3	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Dibromomethane	ND	19	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Dichlorodifluoromethane	ND	9.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(13-14)-20200630**

**A202705-09 (Soil)**

**Date Sampled**  
**06/30/2020 08:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	25	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Ethylbenzene	ND	3.7	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Hexachlorobutadiene	ND	11	180	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Isopropylbenzene	ND	4.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
m,p-Xylene	ND	5.5	88	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Methyl t-Butyl Ether	ND	7.6	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Methylene chloride	ND	12	180	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Naphthalene	ND	6.7	440	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
n-Butyl Benzene	ND	5.6	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
n-Propyl Benzene	ND	6.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
o-Xylene	ND	5.3	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
p-Isopropyltoluene	ND	4.9	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
sec-Butyl Benzene	ND	4.2	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Styrene	ND	7.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
tert-Butylbenzene	ND	4.8	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Tetrachloroethene	ND	10	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Tetrahydrofuran	ND	190	880	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Toluene	ND	7.0	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
trans-1,2-Dichloroethene	ND	7.9	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
trans-1,3-Dichloropropene	ND	7.6	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Trichloroethene	ND	7.2	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Vinyl chloride	ND	10	44	ug/kg dry	1	06/30/2020	06/30/2020 21:58	EPA 8260B	
Surrogate: Toluene-d8			85.8 %	61.9-110		06/30/2020	06/30/2020 21:58	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			98.3 %	59.1-115		06/30/2020	06/30/2020 21:58	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			79.4 %	80-120		06/30/2020	06/30/2020 21:58	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>74.8</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(18-19)-20200630**

**A202705-10 (Soil)**

**Date Sampled**  
**06/30/2020 08:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	8.0	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1,1-Trichloroethane	ND	7.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	6.2	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1,2-Trichloroethane	ND	6.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.2	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1-Dichloroethane	ND	9.6	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1-Dichloroethene	ND	7.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,1-Dichloropropene	ND	3.7	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.7	100	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2,3-Trichloropropane	ND	6.7	52	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2,4-Trichlorobenzene	ND	6.6	100	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.6	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	11	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.1	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2-Dichlorobenzene	ND	2.8	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2-Dichloroethane	ND	4.8	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,2-Dichloropropane	ND	8.0	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,3-Dichlorobenzene	ND	4.9	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,3-Dichloropropane	ND	4.8	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
1,4-Dichlorobenzene	ND	4.1	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
2,2-Dichloropropane	ND	10	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
2-Butanone	ND	190	1000	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
2-Chlorotoluene	ND	2.7	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
2-Hexanone	ND	30	1000	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
4-Chlorotoluene	ND	3.2	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
4-Methyl-2-pentanone	ND	40	1000	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Acetone	ND	150	1000	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Benzene	ND	1.7	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Bromobenzene	ND	5.3	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Bromochloromethane	ND	9.9	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Bromodichloromethane	ND	3.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Bromoform	ND	15	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Carbon disulfide	ND	2.4	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Carbon tetrachloride	ND	4.2	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Chlorobenzene	ND	3.8	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Chloroform	ND	3.9	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Chloromethane	ND	8.2	52	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>80</b>	8.3	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
cis-1,3-Dichloropropene	ND	5.8	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Dibromochloromethane	ND	5.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Dibromomethane	ND	11	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Dichlorodifluoromethane	ND	5.3	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-4(18-19)-20200630**

Date Sampled  
**06/30/2020 08:55**

**A202705-10 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	14	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Ethylbenzene	ND	2.2	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Hexachlorobutadiene	ND	6.6	100	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Isopropylbenzene	ND	2.4	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
m,p-Xylene	ND	3.2	52	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Methyl t-Butyl Ether	ND	4.4	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Methylene chloride	ND	7.2	100	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Naphthalene	ND	3.9	260	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
n-Butyl Benzene	ND	3.3	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
n-Propyl Benzene	ND	3.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
o-Xylene	ND	3.1	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
p-Isopropyltoluene	ND	2.9	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
sec-Butyl Benzene	ND	2.5	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Styrene	ND	4.1	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
tert-Butylbenzene	ND	2.8	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Tetrachloroethene	ND	5.9	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
<b>Tetrahydrofuran</b>	<b>190</b>	110	520	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	J
Toluene	ND	4.1	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
<b>trans-1,2-Dichloroethene</b>	<b>13</b>	4.6	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	J
trans-1,3-Dichloropropene	ND	4.4	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Trichloroethene	ND	4.2	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
<b>Vinyl chloride</b>	<b>32</b>	6.0	26	ug/kg dry	1	06/30/2020	07/01/2020 05:55	EPA 8260B	
Surrogate: Toluene-d8			43.9 %	61.9-110		06/30/2020	07/01/2020 05:55	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			52.0 %	59.1-115		06/30/2020	07/01/2020 05:55	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			41.7 %	80-120		06/30/2020	07/01/2020 05:55	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>87.9</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-021(14-19)-20200630**

**A202705-11 (Water)**

**Date Sampled**  
**06/30/2020 09:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1,1-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.9	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1,2-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1-Dichloroethane	ND	12	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1-Dichloroethene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,1-Dichloropropene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.5	200	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2,3-Trichloropropane	ND	15	100	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.7	200	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,2-Dichlorobenzene	ND	7.6	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>410</b>	7.8	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	D
1,2-Dichloropropane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,3-Dichlorobenzene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,3-Dichloropropane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
2,2-Dichloropropane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
2-Butanone	ND	300	2000	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
2-Chlorotoluene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
2-Hexanone	ND	95	2000	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
4-Chlorotoluene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
4-Methyl-2-pentanone	ND	77	2000	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Acetone	ND	340	2000	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Benzene	ND	8.9	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Bromobenzene	ND	8.4	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Bromochloromethane	ND	31	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Bromodichloromethane	ND	7.7	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Bromoform	ND	8.8	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Carbon disulfide	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Carbon tetrachloride	ND	3.8	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Chlorobenzene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Chloroform	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Chloromethane	ND	16	200	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.1	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Dibromochloromethane	ND	9.1	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Dibromomethane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Dichlorodifluoromethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-021(14-19)-20200630**

**A202705-11 (Water)**

**Date Sampled**  
**06/30/2020 09:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Diisopropyl Ether	ND	15	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Ethylbenzene	ND	5.4	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Isopropylbenzene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
m,p-Xylene	ND	5.7	100	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Methyl t-Butyl Ether	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
<b>Methylene chloride</b>	<b>52</b>	14	200	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	J, D, B
Naphthalene	ND	8.8	500	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
n-Butyl Benzene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
n-Propyl Benzene	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
o-Xylene	ND	5.8	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
p-Isopropyltoluene	ND	8.5	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
sec-Butyl Benzene	ND	13	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Styrene	ND	6.5	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
tert-Butylbenzene	ND	12	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Tetrachloroethene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Tetrahydrofuran	ND	120	1000	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Toluene	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Trichloroethene	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Vinyl chloride	ND	16	50	ug/L	100	06/30/2020	06/30/2020 13:20	EPA 8260B	
Surrogate: Toluene-d8			100 %	82.5-107		06/30/2020	06/30/2020 13:20	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			91.2 %	78.3-109		06/30/2020	06/30/2020 13:20	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			91.2 %	80-120		06/30/2020	06/30/2020 13:20	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-021(20-24)-20200630**

**A202705-12 (Water)**

**Date Sampled**  
**06/30/2020 09:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

1,1,1,2-Tetrachloroethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1,1-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.9	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1,2-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1-Dichloroethane	ND	12	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1-Dichloroethene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,1-Dichloropropene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.5	200	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2,3-Trichloropropane	ND	15	100	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.7	200	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,2-Dichlorobenzene	ND	7.6	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>80000</b>	160	1000	ug/L	2000	06/30/2020	06/30/2020 17:40	EPA 8260B	D
1,2-Dichloropropane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,3-Dichlorobenzene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,3-Dichloropropane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
2,2-Dichloropropane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
2-Butanone	ND	300	2000	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
2-Chlorotoluene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
2-Hexanone	ND	95	2000	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
4-Chlorotoluene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
4-Methyl-2-pentanone	ND	77	2000	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Acetone	ND	340	2000	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
<b>Benzene</b>	<b>12</b>	8.9	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	J, D
Bromobenzene	ND	8.4	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Bromochloromethane	ND	31	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Bromodichloromethane	ND	7.7	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Bromoform	ND	8.8	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Carbon disulfide	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Carbon tetrachloride	ND	3.8	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Chlorobenzene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Chloroform	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Chloromethane	ND	16	200	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>11</b>	11	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	J, D
cis-1,3-Dichloropropene	ND	6.1	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Dibromochloromethane	ND	9.1	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Dibromomethane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Dichlorodifluoromethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-021(20-24)-20200630**

**A202705-12 (Water)**

**Date Sampled**  
**06/30/2020 09:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>Diisopropyl Ether</b>	<b>59</b>	15	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	D
Ethylbenzene	ND	5.4	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Isopropylbenzene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
m,p-Xylene	ND	5.7	100	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Methyl t-Butyl Ether	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
<b>Methylene chloride</b>	<b>63</b>	14	200	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	J, D, B
Naphthalene	ND	8.8	500	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
n-Butyl Benzene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
n-Propyl Benzene	ND	10	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
o-Xylene	ND	5.8	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
p-Isopropyltoluene	ND	8.5	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
sec-Butyl Benzene	ND	13	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Styrene	ND	6.5	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
tert-Butylbenzene	ND	12	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Tetrachloroethene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Tetrahydrofuran	ND	120	1000	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
Toluene	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	
<b>Trichloroethene</b>	<b>15</b>	6.2	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	J, D
<b>Vinyl chloride</b>	<b>200</b>	16	50	ug/L	100	06/30/2020	06/30/2020 13:48	EPA 8260B	D

Surrogate: Toluene-d8	98.4 %	82.5-107	06/30/2020	06/30/2020 13:48	EPA 8260B
Surrogate: 4-Bromofluorobenzene	91.1 %	78.3-109	06/30/2020	06/30/2020 13:48	EPA 8260B
Surrogate: 1,2-Dichlorobenzene-d4	91.2 %	80-120	06/30/2020	06/30/2020 13:48	EPA 8260B

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-021(26-30)-20200630**

**A202705-13 (Water)**

**Date Sampled**  
**06/30/2020 10:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1,1-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.9	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1,2-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1-Dichloroethane	ND	12	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1-Dichloroethene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,1-Dichloropropene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.5	200	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2,3-Trichloropropane	ND	15	100	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.7	200	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,2-Dichlorobenzene	ND	7.6	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>390</b>	7.8	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	D
1,2-Dichloropropane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,3-Dichlorobenzene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,3-Dichloropropane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
2,2-Dichloropropane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
2-Butanone	ND	300	2000	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	M
2-Chlorotoluene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
2-Hexanone	ND	95	2000	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	M
4-Chlorotoluene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
4-Methyl-2-pentanone	ND	77	2000	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Acetone	ND	340	2000	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	M
Benzene	ND	8.9	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Bromobenzene	ND	8.4	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Bromochloromethane	ND	31	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Bromodichloromethane	ND	7.7	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Bromoform	ND	8.8	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Carbon disulfide	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Carbon tetrachloride	ND	3.8	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Chlorobenzene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Chloroform	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Chloromethane	ND	16	200	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.1	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Dibromochloromethane	ND	9.1	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Dibromomethane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Dichlorodifluoromethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-021(26-30)-20200630**

**A202705-13 (Water)**

**Date Sampled**  
**06/30/2020 10:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Diisopropyl Ether	ND	15	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Ethylbenzene	ND	5.4	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Isopropylbenzene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
m,p-Xylene	ND	5.7	100	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Methyl t-Butyl Ether	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
<b>Methylene chloride</b>	<b>66</b>	14	200	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	J, D, B
Naphthalene	ND	8.8	500	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
n-Butyl Benzene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
n-Propyl Benzene	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
o-Xylene	ND	5.8	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
p-Isopropyltoluene	ND	8.5	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
sec-Butyl Benzene	ND	13	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Styrene	ND	6.5	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
tert-Butylbenzene	ND	12	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Tetrachloroethene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Tetrahydrofuran	ND	120	1000	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Toluene	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Trichloroethene	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	
Vinyl chloride	ND	16	50	ug/L	100	06/30/2020	06/30/2020 14:17	EPA 8260B	

Surrogate: Toluene-d8

100 % 82.5-107

06/30/2020 06/30/2020 14:17

EPA 8260B

Surrogate: 4-Bromofluorobenzene

92.4 % 78.3-109

06/30/2020 06/30/2020 14:17

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

93.2 % 80-120

06/30/2020 06/30/2020 14:17

EPA 8260B

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-022(16-20)-20200630**  
**A202705-14 (Water)**

**Date Sampled**  
**06/30/2020 10:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1,1-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.9	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1,2-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1-Dichloroethane	ND	12	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1-Dichloroethene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,1-Dichloropropene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.5	200	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2,3-Trichloropropane	ND	15	100	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.7	200	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,2-Dichlorobenzene	ND	7.6	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>4700</b>	7.8	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	D
1,2-Dichloropropane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,3-Dichlorobenzene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,3-Dichloropropane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
2,2-Dichloropropane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
2-Butanone	ND	300	2000	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
2-Chlorotoluene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
2-Hexanone	ND	95	2000	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
4-Chlorotoluene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
4-Methyl-2-pentanone	ND	77	2000	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Acetone	ND	340	2000	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Benzene	ND	8.9	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Bromobenzene	ND	8.4	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Bromochloromethane	ND	31	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Bromodichloromethane	ND	7.7	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Bromoform	ND	8.8	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Carbon disulfide	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Carbon tetrachloride	ND	3.8	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Chlorobenzene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Chloroform	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Chloromethane	ND	16	200	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.1	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Dibromochloromethane	ND	9.1	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Dibromomethane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Dichlorodifluoromethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-022(16-20)-20200630**

**A202705-14 (Water)**

**Date Sampled**  
**06/30/2020 10:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

<b>Diisopropyl Ether</b>	<b>15</b>	15	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	J, D
Ethylbenzene	ND	5.4	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Isopropylbenzene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
m,p-Xylene	ND	5.7	100	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Methyl t-Butyl Ether	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
<b>Methylene chloride</b>	<b>68</b>	14	200	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	J, D, B
Naphthalene	ND	8.8	500	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
n-Butyl Benzene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
n-Propyl Benzene	ND	10	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
o-Xylene	ND	5.8	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
p-Isopropyltoluene	ND	8.5	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
sec-Butyl Benzene	ND	13	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Styrene	ND	6.5	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
tert-Butylbenzene	ND	12	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Tetrachloroethene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Tetrahydrofuran	ND	120	1000	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Toluene	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
Trichloroethene	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	
<b>Vinyl chloride</b>	<b>19</b>	16	50	ug/L	100	06/30/2020	06/30/2020 14:46	EPA 8260B	J, D
<i>Surrogate: Toluene-d8</i>			<i>101 %</i>	<i>82.5-107</i>		<i>06/30/2020</i>	<i>06/30/2020 14:46</i>	<i>EPA 8260B</i>	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>91.9 %</i>	<i>78.3-109</i>		<i>06/30/2020</i>	<i>06/30/2020 14:46</i>	<i>EPA 8260B</i>	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>91.7 %</i>	<i>80-120</i>		<i>06/30/2020</i>	<i>06/30/2020 14:46</i>	<i>EPA 8260B</i>	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-022(21-25)-20200630**  
**A202705-15 (Water)**

**Date Sampled**  
**06/30/2020 11:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

1,1,1,2-Tetrachloroethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1,1-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.9	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1,2-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1-Dichloroethane	ND	12	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1-Dichloroethene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,1-Dichloropropene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.5	200	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2,3-Trichloropropane	ND	15	100	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.7	200	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,2-Dichlorobenzene	ND	7.6	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>34000</b>	78	500	ug/L	1000	06/30/2020	06/30/2020 19:34	EPA 8260B	D
1,2-Dichloropropane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,3-Dichlorobenzene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,3-Dichloropropane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
2,2-Dichloropropane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
2-Butanone	ND	300	2000	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
2-Chlorotoluene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
2-Hexanone	ND	95	2000	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
4-Chlorotoluene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
4-Methyl-2-pentanone	ND	77	2000	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Acetone	ND	340	2000	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Benzene	ND	8.9	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Bromobenzene	ND	8.4	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Bromochloromethane	ND	31	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Bromodichloromethane	ND	7.7	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Bromoform	ND	8.8	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Carbon disulfide	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Carbon tetrachloride	ND	3.8	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Chlorobenzene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Chloroform	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Chloromethane	ND	16	200	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>30</b>	11	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	J, D
cis-1,3-Dichloropropene	ND	6.1	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Dibromochloromethane	ND	9.1	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Dibromomethane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Dichlorodifluoromethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-022(21-25)-20200630**

**A202705-15 (Water)**

**Date Sampled**  
**06/30/2020 11:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>Diisopropyl Ether</b>	<b>33</b>	15	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	J, D
Ethylbenzene	ND	5.4	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Isopropylbenzene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
m,p-Xylene	ND	5.7	100	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Methyl t-Butyl Ether	ND	14	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
<b>Methylene chloride</b>	<b>70</b>	14	200	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	J, D, B
Naphthalene	ND	8.8	500	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
n-Butyl Benzene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
n-Propyl Benzene	ND	10	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
o-Xylene	ND	5.8	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
p-Isopropyltoluene	ND	8.5	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
sec-Butyl Benzene	ND	13	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Styrene	ND	6.5	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
tert-Butylbenzene	ND	12	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Tetrachloroethene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Tetrahydrofuran	ND	120	1000	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Toluene	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
Trichloroethene	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	
<b>Vinyl chloride</b>	<b>180</b>	16	50	ug/L	100	06/30/2020	06/30/2020 15:15	EPA 8260B	D
Surrogate: Toluene-d8			101 %	82.5-107		06/30/2020	06/30/2020 15:15	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			92.7 %	78.3-109		06/30/2020	06/30/2020 15:15	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			93.9 %	80-120		06/30/2020	06/30/2020 15:15	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-022(26-30)-20200630**

**A202705-16 (Water)**

**Date Sampled**  
**06/30/2020 11:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.55	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.65	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1-Dichloroethane	ND	0.60	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1-Dichloroethene	ND	0.70	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,1-Dichloropropene	ND	0.55	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.23	10	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2,3-Trichloropropane	ND	0.75	5.0	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.39	10	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.30	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	1.3	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.65	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,2-Dichlorobenzene	ND	0.38	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>60</b>	0.39	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	D
1,2-Dichloropropane	ND	0.50	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.38	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,3-Dichlorobenzene	ND	0.48	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,3-Dichloropropane	ND	0.55	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
1,4-Dichlorobenzene	ND	0.35	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
2,2-Dichloropropane	ND	0.70	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
2-Butanone	ND	15	100	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
2-Chlorotoluene	ND	0.38	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
2-Hexanone	ND	4.8	100	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
4-Chlorotoluene	ND	0.37	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
4-Methyl-2-pentanone	ND	3.9	100	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Acetone	ND	17	100	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
<b>Benzene</b>	<b>0.55</b>	0.45	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D
Bromobenzene	ND	0.42	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Bromochloromethane	ND	1.6	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Bromodichloromethane	ND	0.39	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Bromoform	ND	0.44	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Carbon disulfide	ND	0.27	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Carbon tetrachloride	ND	0.19	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Chlorobenzene	ND	0.37	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Chloroform	ND	0.31	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Chloromethane	ND	0.80	10	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.55	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.31	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Dibromochloromethane	ND	0.46	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Dibromomethane	ND	0.70	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Dichlorodifluoromethane	ND	0.55	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-022(26-30)-20200630**

**A202705-16 (Water)**

**Date Sampled**  
**06/30/2020 11:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Diisopropyl Ether	ND	0.75	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Ethylbenzene	ND	0.27	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Hexachlorobutadiene	ND	0.65	10	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Isopropylbenzene	ND	0.41	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
<b>m,p-Xylene</b>	<b>0.30</b>	0.29	5.0	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D
<b>Methyl t-Butyl Ether</b>	<b>2.9</b>	0.70	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	D
<b>Methylene chloride</b>	<b>2.3</b>	0.70	10	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D, B
Naphthalene	ND	0.44	25	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
n-Butyl Benzene	ND	0.70	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
n-Propyl Benzene	ND	0.50	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
<b>o-Xylene</b>	<b>0.30</b>	0.29	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D
p-Isopropyltoluene	ND	0.43	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
sec-Butyl Benzene	ND	0.65	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Styrene	ND	0.33	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
tert-Butylbenzene	ND	0.60	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Tetrachloroethene	ND	0.41	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Tetrahydrofuran	ND	6.0	50	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
<b>Toluene</b>	<b>0.35</b>	0.27	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D
<b>trans-1,2-Dichloroethene</b>	<b>0.90</b>	0.55	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D
trans-1,3-Dichloropropene	ND	0.48	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
Trichloroethene	ND	0.31	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	
<b>Vinyl chloride</b>	<b>1.2</b>	0.80	2.5	ug/L	5	06/30/2020	06/30/2020 20:02	EPA 8260B	J, D
Surrogate: Toluene-d8			102 %	82.5-107		06/30/2020	06/30/2020 20:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			93.7 %	78.3-109		06/30/2020	06/30/2020 20:02	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			94.1 %	80-120		06/30/2020	06/30/2020 20:02	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**Blank (A006210-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 20:07

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**Blank (A006210-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 20:07

m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	5.5	250	ug/kg wet							J
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
<i>Surrogate: Toluene-d8</i>	<i>489</i>		<i>ug/kg wet</i>	<i>502.5</i>		<i>97.4</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>542</i>		<i>ug/kg wet</i>	<i>502.5</i>		<i>108</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>434</i>		<i>ug/kg wet</i>	<i>502.5</i>		<i>86.3</i>	<i>80-120</i>			

**LCS (A006210-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:15

1,1,1,2-Tetrachloroethane	131	25	ug/kg wet	251.0		52.0	85.9-112			
1,1,1-Trichloroethane	155	25	ug/kg wet	251.0		61.6	73.1-128			
1,1,2,2-Tetrachloroethane	137	25	ug/kg wet	251.0		54.4	76-118			
1,1,2-Trichloroethane	149	25	ug/kg wet	251.0		59.4	82.5-115			
1,1,2-Trichlorotrifluoroethane	159	25	ug/kg wet	251.0		63.2	63.5-140			
1,1-Dichloroethane	163	25	ug/kg wet	251.0		64.8	73-123			
1,1-Dichloroethene	148	25	ug/kg wet	251.0		59.0	56.6-131			
1,1-Dichloropropene	146	25	ug/kg wet	251.0		58.0	82.8-113			
1,2,3-Trichlorobenzene	139	100	ug/kg wet	251.0		55.4	79.2-108			
1,2,3-Trichloropropane	88.4	50	ug/kg wet	251.0		35.2	76.9-118			
1,2,4-Trichlorobenzene	134	100	ug/kg wet	251.0		53.2	75.5-109			
1,2,4-Trimethylbenzene	157	25	ug/kg wet	251.0		62.6	84.8-111			
1,2-Dibromo-3-chloropropane	117	25	ug/kg wet	251.0		46.6	64.6-118			
1,2-Dibromoethane (EDB)	144	25	ug/kg wet	251.0		57.2	83.4-112			
1,2-Dichlorobenzene	152	25	ug/kg wet	251.0		60.4	80-120			
1,2-Dichloroethane	166	25	ug/kg wet	251.0		66.0	67.3-134			
1,2-Dichloropropane	178	25	ug/kg wet	251.0		70.8	82.8-111			
1,3,5-Trimethylbenzene	158	25	ug/kg wet	251.0		62.8	85.5-111			
1,3-Dichlorobenzene	148	25	ug/kg wet	251.0		58.8	80-120			
1,3-Dichloropropane	153	25	ug/kg wet	251.0		61.0	83.5-113			
1,4-Dichlorobenzene	150	25	ug/kg wet	251.0		59.6	80-120			
2,2-Dichloropropane	127	25	ug/kg wet	251.0		50.6	69.7-125			
2-Butanone	1550	1000	ug/kg wet	2510		61.6	67.8-128			
2-Chlorotoluene	167	25	ug/kg wet	251.0		66.6	80-120			
2-Hexanone	1620	1000	ug/kg wet	2510		64.7	73.5-124			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**LCS (A006210-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:15

4-Chlorotoluene	167	25	ug/kg wet	251.0		66.4	83.4-111			
4-Methyl-2-pentanone	1390	1000	ug/kg wet	2510		55.3	77.8-123			
Acetone	2610	1000	ug/kg wet	2510		104	40.1-182			
Benzene	145	25	ug/kg wet	251.0		57.8	77.1-115			
Bromobenzene	147	25	ug/kg wet	251.0		58.6	80-120			
Bromochloromethane	148	25	ug/kg wet	251.0		58.8	76.8-121			
Bromodichloromethane	145	25	ug/kg wet	251.0		57.8	78.9-117			
Bromoform	113	25	ug/kg wet	251.0		45.0	70.9-116			
Carbon disulfide	137	25	ug/kg wet	251.0		54.6	50.7-131			
Carbon tetrachloride	143	25	ug/kg wet	251.0		56.8	70.8-119			
Chlorobenzene	151	25	ug/kg wet	251.0		60.0	81.2-111			
Chloroform	147	25	ug/kg wet	251.0		58.4	72.4-127			
Chloromethane	152	50	ug/kg wet	251.0		60.4	52.6-126			
cis-1,2-Dichloroethene	148	25	ug/kg wet	251.0		59.0	76-115			
cis-1,3-Dichloropropene	136	25	ug/kg wet	251.0		54.2	80-120			
Dibromochloromethane	122	25	ug/kg wet	251.0		48.6	78-115			
Dibromomethane	155	25	ug/kg wet	251.0		61.6	81.6-117			
Dichlorodifluoromethane	105	25	ug/kg wet	251.0		41.8	39.6-115			
Diisopropyl Ether	136	25	ug/kg wet	251.0		54.0	77.5-120			
Ethylbenzene	149	25	ug/kg wet	251.0		59.2	82.3-110			
Hexachlorobutadiene	126	100	ug/kg wet	251.0		50.0	80.1-115			
Isopropylbenzene	157	25	ug/kg wet	251.0		62.6	82.9-114			
m,p-Xylene	286	50	ug/kg wet	502.0		56.9	81.8-111			
Methyl t-Butyl Ether	148	25	ug/kg wet	251.0		59.0	75.4-124			
Methylene chloride	150	100	ug/kg wet	251.0		59.8	62.2-132			
Naphthalene	136	250	ug/kg wet	251.0		54.0	67.8-111			J, B
n-Butyl Benzene	156	25	ug/kg wet	251.0		62.0	78.8-115			
n-Propyl Benzene	171	25	ug/kg wet	251.0		68.0	82.9-111			
o-Xylene	147	25	ug/kg wet	251.0		58.4	81.5-111			
p-Isopropyltoluene	149	25	ug/kg wet	251.0		59.4	83.3-111			
sec-Butyl Benzene	163	25	ug/kg wet	251.0		65.0	83.4-113			
Styrene	144	25	ug/kg wet	251.0		57.2	81.5-110			
tert-Butylbenzene	157	25	ug/kg wet	251.0		62.4	82.4-113			
Tetrachloroethene	132	25	ug/kg wet	251.0		52.4	73.7-114			
Tetrahydrofuran	1270	500	ug/kg wet	2510		50.6	69.8-127			
Toluene	142	25	ug/kg wet	251.0		56.6	77.5-112			
trans-1,2-Dichloroethene	145	25	ug/kg wet	251.0		57.6	73.5-116			
trans-1,3-Dichloropropene	134	25	ug/kg wet	251.0		53.4	80.9-110			
Trichloroethene	170	25	ug/kg wet	251.0		67.6	79.5-110			
Vinyl chloride	141	25	ug/kg wet	251.0		56.0	49.9-123			
Surrogate: Toluene-d8	137		ug/kg wet	251.0		54.6	61.9-110			S
Surrogate: 4-Bromofluorobenzene	154		ug/kg wet	251.0		61.4	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	142		ug/kg wet	251.0		56.4	80-120			S

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**LCS Dup (A006210-BSD1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:41

1,1,1,2-Tetrachloroethane	237	25	ug/kg wet	250.5		94.6	85.9-112	57.9	20	
1,1,1-Trichloroethane	263	25	ug/kg wet	250.5		105	73.1-128	51.7	20	
1,1,2,2-Tetrachloroethane	246	25	ug/kg wet	250.5		98.2	76-118	57.2	20	
1,1,2-Trichloroethane	252	25	ug/kg wet	250.5		101	82.5-115	51.3	20	
1,1,2-Trichlorotrifluoroethane	266	25	ug/kg wet	250.5		106	63.5-140	50.6	20	
1,1-Dichloroethane	271	25	ug/kg wet	250.5		108	73-123	49.8	20	
1,1-Dichloroethene	247	25	ug/kg wet	250.5		98.6	56.6-131	50.1	20	
1,1-Dichloropropene	250	25	ug/kg wet	250.5		99.8	82.8-113	52.8	20	
1,2,3-Trichlorobenzene	251	100	ug/kg wet	250.5		100	79.2-108	57.4	20	
1,2,3-Trichloropropane	248	50	ug/kg wet	250.5		99.0	76.9-118	94.9	20	
1,2,4-Trichlorobenzene	240	100	ug/kg wet	250.5		96.0	75.5-109	57.2	20	
1,2,4-Trimethylbenzene	278	25	ug/kg wet	250.5		111	84.8-111	55.6	20	
1,2-Dibromo-3-chloropropane	214	25	ug/kg wet	250.5		85.6	64.6-118	58.8	20	
1,2-Dibromoethane (EDB)	243	25	ug/kg wet	250.5		97.0	83.4-112	51.4	20	
1,2-Dichlorobenzene	269	25	ug/kg wet	250.5		107	80-120	55.7	20	
1,2-Dichloroethane	263	25	ug/kg wet	250.5		105	67.3-134	45.4	20	
1,2-Dichloropropane	289	25	ug/kg wet	250.5		115	82.8-111	47.7	20	
1,3,5-Trimethylbenzene	282	25	ug/kg wet	250.5		113	85.5-111	56.6	20	
1,3-Dichlorobenzene	259	25	ug/kg wet	250.5		103	80-120	54.8	20	
1,3-Dichloropropane	248	25	ug/kg wet	250.5		99.0	83.5-113	47.3	20	
1,4-Dichlorobenzene	261	25	ug/kg wet	250.5		104	80-120	54.3	20	
2,2-Dichloropropane	210	25	ug/kg wet	250.5		83.8	69.7-125	49.2	20	
2-Butanone	2890	1000	ug/kg wet	2505		115	67.8-128	60.6	20	
2-Chlorotoluene	288	25	ug/kg wet	250.5		115	80-120	53.0	20	
2-Hexanone	2800	1000	ug/kg wet	2505		112	73.5-124	53.1	20	
4-Chlorotoluene	288	25	ug/kg wet	250.5		115	83.4-111	53.2	20	
4-Methyl-2-pentanone	2390	1000	ug/kg wet	2505		95.3	77.8-123	52.9	20	
Acetone	4460	1000	ug/kg wet	2505		178	40.1-182	52.3	20	
Benzene	241	25	ug/kg wet	250.5		96.4	77.1-115	49.9	20	
Bromobenzene	262	25	ug/kg wet	250.5		104	80-120	56.0	20	
Bromochloromethane	242	25	ug/kg wet	250.5		96.6	76.8-121	48.5	20	
Bromodichloromethane	244	25	ug/kg wet	250.5		97.6	78.9-117	51.0	20	
Bromoform	215	25	ug/kg wet	250.5		85.8	70.9-116	62.2	20	
Carbon disulfide	225	25	ug/kg wet	250.5		90.0	50.7-131	48.8	20	
Carbon tetrachloride	251	25	ug/kg wet	250.5		100	70.8-119	54.9	20	
Chlorobenzene	253	25	ug/kg wet	250.5		101	81.2-111	50.7	20	
Chloroform	249	25	ug/kg wet	250.5		99.6	72.4-127	52.0	20	
Chloromethane	223	50	ug/kg wet	250.5		89.2	52.6-126	38.3	20	
cis-1,2-Dichloroethene	244	25	ug/kg wet	250.5		97.4	76-115	48.9	20	
cis-1,3-Dichloropropene	228	25	ug/kg wet	250.5		91.2	80-120	50.7	20	
Dibromochloromethane	221	25	ug/kg wet	250.5		88.4	78-115	57.9	20	
Dibromomethane	256	25	ug/kg wet	250.5		102	81.6-117	49.4	20	
Dichlorodifluoromethane	178	25	ug/kg wet	250.5		71.2	39.6-115	51.8	20	
Diisopropyl Ether	259	25	ug/kg wet	250.5		103	77.5-120	62.6	20	
Ethylbenzene	257	25	ug/kg wet	250.5		103	82.3-110	53.5	20	
Hexachlorobutadiene	238	100	ug/kg wet	250.5		95.2	80.1-115	62.1	20	
Isopropylbenzene	283	25	ug/kg wet	250.5		113	82.9-114	57.2	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**LCS Dup (A006210-BSD1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:41

m,p-Xylene	495	50	ug/kg wet	501.0		98.9	81.8-111	53.7	20	
Methyl t-Butyl Ether	247	25	ug/kg wet	250.5		98.6	75.4-124	50.1	20	
Methylene chloride	261	100	ug/kg wet	250.5		104	62.2-132	53.8	20	
Naphthalene	243	250	ug/kg wet	250.5		97.0	67.8-111	56.8	20	J, B
n-Butyl Benzene	276	25	ug/kg wet	250.5		110	78.8-115	55.6	20	
n-Propyl Benzene	303	25	ug/kg wet	250.5		121	82.9-111	55.9	20	
o-Xylene	249	25	ug/kg wet	250.5		99.6	81.5-111	52.0	20	
p-Isopropyltoluene	275	25	ug/kg wet	250.5		110	83.3-111	59.4	20	
sec-Butyl Benzene	294	25	ug/kg wet	250.5		117	83.4-113	57.3	20	
Styrene	248	25	ug/kg wet	250.5		99.0	81.5-110	53.3	20	
tert-Butylbenzene	284	25	ug/kg wet	250.5		113	82.4-113	57.8	20	
Tetrachloroethene	231	25	ug/kg wet	250.5		92.2	73.7-114	54.9	20	
Tetrahydrofuran	2210	500	ug/kg wet	2505		88.1	69.8-127	53.9	20	
Toluene	246	25	ug/kg wet	250.5		98.2	77.5-112	53.6	20	
trans-1,2-Dichloroethene	232	25	ug/kg wet	250.5		92.6	73.5-116	46.4	20	
trans-1,3-Dichloropropene	227	25	ug/kg wet	250.5		90.6	80.9-110	51.5	20	
Trichloroethene	276	25	ug/kg wet	250.5		110	79.5-110	47.6	20	
Vinyl chloride	221	25	ug/kg wet	250.5		88.4	49.9-123	44.7	20	
Surrogate: Toluene-d8	241		ug/kg wet	250.5		96.2	61.9-110			
Surrogate: 4-Bromofluorobenzene	265		ug/kg wet	250.5		106	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	245		ug/kg wet	250.5		98.0	80-120			

**Batch A006211 - EPA 5030B**

**Blank (A006211-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:05

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,2-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,1-Dichloropropene	ND	0.50	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	0.50	ug/L							
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L							
1,2-Dibromoethane (EDB)	ND	0.50	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.50	ug/L							
1,3-Dichlorobenzene	ND	0.50	ug/L							
1,3-Dichloropropane	ND	0.50	ug/L							
1,4-Dichlorobenzene	ND	0.50	ug/L							
2,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone	ND	20	ug/L							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Blank (A006211-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:05

2-Chlorotoluene	ND	0.50	ug/L							
2-Hexanone	ND	20	ug/L							
4-Chlorotoluene	ND	0.50	ug/L							
4-Methyl-2-pentanone	ND	20	ug/L							
Acetone	ND	20	ug/L							
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	ug/L							
Bromochloromethane	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	0.50	ug/L							
Carbon disulfide	ND	0.50	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
cis-1,3-Dichloropropene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Diisopropyl Ether	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
Isopropylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methyl t-Butyl Ether	ND	0.50	ug/L							
Methylene chloride	0.38	2.0	ug/L							J
Naphthalene	ND	5.0	ug/L							
n-Butyl Benzene	ND	0.50	ug/L							
n-Propyl Benzene	ND	0.50	ug/L							
o-Xylene	ND	0.50	ug/L							
p-Isopropyltoluene	ND	0.50	ug/L							
sec-Butyl Benzene	ND	0.50	ug/L							
Styrene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
trans-1,3-Dichloropropene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: Toluene-d8	9.99		ug/L	10.00		99.9	82.5-107			
Surrogate: 4-Bromofluorobenzene	9.13		ug/L	10.00		91.3	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	9.38		ug/L	10.00		93.8	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**LCS (A006211-BS1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 23:15

1,1,1,2-Tetrachloroethane	4.73	0.50	ug/L	5.000		94.6	80-120			
1,1,1-Trichloroethane	4.95	0.50	ug/L	5.000		99.0	84.5-127			
1,1,2,2-Tetrachloroethane	5.16	0.50	ug/L	5.000		103	82.1-119			
1,1,2-Trichloroethane	5.65	0.50	ug/L	5.000		113	87.5-116			
1,1,2-Trichlorotrifluoroethane	5.44	0.50	ug/L	5.000		109	74.5-142			
1,1-Dichloroethane	5.76	0.50	ug/L	5.000		115	78-134			
1,1-Dichloroethene	5.36	0.50	ug/L	5.000		107	60.6-148			
1,1-Dichloropropene	5.44	0.50	ug/L	5.000		109	84.8-124			
1,2,3-Trichlorobenzene	5.13	2.0	ug/L	5.000		103	80-120			
1,2,3-Trichloropropane	5.41	1.0	ug/L	5.000		108	80.9-123			
1,2,4-Trichlorobenzene	4.81	2.0	ug/L	5.000		96.2	77.7-109			
1,2,4-Trimethylbenzene	5.39	0.50	ug/L	5.000		108	86.7-115			
1,2-Dibromo-3-chloropropane	3.34	0.50	ug/L	5.000		66.8	66.6-125			
1,2-Dibromoethane (EDB)	5.35	0.50	ug/L	5.000		107	80-120			
1,2-Dichlorobenzene	5.41	0.50	ug/L	5.000		108	80-120			
1,2-Dichloroethane	5.94	0.50	ug/L	5.000		119	78.9-134			
1,2-Dichloropropane	5.61	0.50	ug/L	5.000		112	88.8-116			
1,3,5-Trimethylbenzene	5.31	0.50	ug/L	5.000		106	88.8-114			
1,3-Dichlorobenzene	5.19	0.50	ug/L	5.000		104	80-120			
1,3-Dichloropropane	5.73	0.50	ug/L	5.000		115	89-116			
1,4-Dichlorobenzene	5.37	0.50	ug/L	5.000		107	80-120			
2,2-Dichloropropane	3.84	0.50	ug/L	5.000		76.8	69.1-130			
2-Butanone	90.4	20	ug/L	50.00		181	66.1-143			
2-Chlorotoluene	5.51	0.50	ug/L	5.000		110	88.5-114			
2-Hexanone	82.0	20	ug/L	50.00		164	74.1-132			
4-Chlorotoluene	5.64	0.50	ug/L	5.000		113	87.1-115			
4-Methyl-2-pentanone	60.8	20	ug/L	50.00		122	78.3-130			
Acetone	150	20	ug/L	50.00		300	47.3-164			
Benzene	5.56	0.50	ug/L	5.000		111	84.5-121			
Bromobenzene	5.74	0.50	ug/L	5.000		115	80-120			
Bromochloromethane	5.93	0.50	ug/L	5.000		119	83.3-126			
Bromodichloromethane	5.17	0.50	ug/L	5.000		103	88.5-115			
Bromoform	4.03	0.50	ug/L	5.000		80.6	79.1-114			
Carbon disulfide	5.03	0.50	ug/L	5.000		101	58.3-141			
Carbon tetrachloride	4.48	0.50	ug/L	5.000		89.6	74.6-130			
Chlorobenzene	5.43	0.50	ug/L	5.000		109	80-120			
Chloroform	5.43	0.50	ug/L	5.000		109	79.4-131			
Chloromethane	5.88	2.0	ug/L	5.000		118	64.9-141			
cis-1,2-Dichloroethene	5.45	0.50	ug/L	5.000		109	86.4-119			
cis-1,3-Dichloropropene	4.83	0.50	ug/L	5.000		96.6	85.5-114			
Dibromochloromethane	4.77	0.50	ug/L	5.000		95.4	86.2-113			
Dibromomethane	5.45	0.50	ug/L	5.000		109	87.6-117			
Dichlorodifluoromethane	5.16	0.50	ug/L	5.000		103	70.1-142			
Diisopropyl Ether	5.47	0.50	ug/L	5.000		109	79.9-131			
Ethylbenzene	5.51	0.50	ug/L	5.000		110	80-120			
Hexachlorobutadiene	4.49	2.0	ug/L	5.000		89.8	80.1-122			
Isopropylbenzene	5.38	0.50	ug/L	5.000		108	80-120			



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**LCS (A006211-BS1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 23:15

m,p-Xylene	10.7	1.0	ug/L	10.00		107	80-120			
Methyl t-Butyl Ether	5.33	0.50	ug/L	5.000		107	77.4-133			
Methylene chloride	5.75	2.0	ug/L	5.000		115	74-136			B
Naphthalene	5.16	5.0	ug/L	5.000		103	74.3-114			
n-Butyl Benzene	5.32	0.50	ug/L	5.000		106	82.2-117			
n-Propyl Benzene	5.23	0.50	ug/L	5.000		105	86.1-116			
o-Xylene	5.26	0.50	ug/L	5.000		105	80-120			
p-Isopropyltoluene	5.35	0.50	ug/L	5.000		107	86.5-114			
sec-Butyl Benzene	5.41	0.50	ug/L	5.000		108	88.4-114			
Styrene	5.27	0.50	ug/L	5.000		105	80-120			
tert-Butylbenzene	5.39	0.50	ug/L	5.000		108	85.7-117			
Tetrachloroethene	5.24	0.50	ug/L	5.000		105	83.6-115			
Tetrahydrofuran	57.4	10	ug/L	50.00		115	67.5-147			
Toluene	5.47	0.50	ug/L	5.000		109	87-113			
trans-1,2-Dichloroethene	5.30	0.50	ug/L	5.000		106	80.8-125			
trans-1,3-Dichloropropene	4.47	0.50	ug/L	5.000		89.4	84.7-114			
Trichloroethene	5.48	0.50	ug/L	5.000		110	80-120			
Vinyl chloride	5.42	0.50	ug/L	5.000		108	66.2-141			
<i>Surrogate: Toluene-d8</i>	<i>5.34</i>		<i>ug/L</i>	<i>5.000</i>		<i>107</i>	<i>82.5-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.19</i>		<i>ug/L</i>	<i>5.000</i>		<i>104</i>	<i>78.3-109</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>5.13</i>		<i>ug/L</i>	<i>5.000</i>		<i>103</i>	<i>80-120</i>			

**Matrix Spike (A006211-MS1)**

Source: A202705-13

Prepared: 06/30/2020 Analyzed: 06/30/2020 22:21

1,1,1,2-Tetrachloroethane	467	50	ug/L	500.0	ND	93.4	80-120			D
1,1,1-Trichloroethane	474	50	ug/L	500.0	ND	94.8	79.6-133			D
1,1,2,2-Tetrachloroethane	538	50	ug/L	500.0	ND	108	77.7-125			D
1,1,2-Trichloroethane	585	50	ug/L	500.0	ND	117	84.7-121			D
1,1,2-Trichlorotrifluoroethane	522	50	ug/L	500.0	ND	104	88.5-154			D
1,1-Dichloroethane	562	50	ug/L	500.0	ND	112	61-149			D
1,1-Dichloroethene	533	50	ug/L	500.0	ND	107	35.8-173			D
1,1-Dichloropropene	539	50	ug/L	500.0	ND	108	84.3-123			D
1,2,3-Trichlorobenzene	496	200	ug/L	500.0	ND	99.2	80-120			D
1,2,3-Trichloropropane	522	100	ug/L	500.0	ND	104	74.6-133			D
1,2,4-Trichlorobenzene	472	200	ug/L	500.0	ND	94.4	77.1-108			D
1,2,4-Trimethylbenzene	518	50	ug/L	500.0	ND	104	74.5-122			D
1,2-Dibromo-3-chloropropane	360	50	ug/L	500.0	ND	72.0	65.5-130			D
1,2-Dibromoethane (EDB)	532	50	ug/L	500.0	ND	106	80-120			D
1,2-Dichlorobenzene	530	50	ug/L	500.0	ND	106	80-120			D
1,2-Dichloroethane	961	50	ug/L	500.0	389	114	71.8-143			D
1,2-Dichloropropane	555	50	ug/L	500.0	ND	111	87.6-117			D
1,3,5-Trimethylbenzene	520	50	ug/L	500.0	ND	104	78.8-119			D
1,3-Dichlorobenzene	513	50	ug/L	500.0	ND	103	80-120			D
1,3-Dichloropropane	577	50	ug/L	500.0	ND	115	88.3-119			D
1,4-Dichlorobenzene	533	50	ug/L	500.0	ND	107	80-120			D
2,2-Dichloropropane	381	50	ug/L	500.0	ND	76.2	71.6-129			D
2-Butanone	9080	2000	ug/L	5000	ND	182	56.9-161			M, D
2-Chlorotoluene	535	50	ug/L	500.0	ND	107	80-120			D
2-Hexanone	8130	2000	ug/L	5000	ND	163	68.2-140			M, D

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

Matrix Spike (A006211-MS1)	Source: A202705-13	Prepared: 06/30/2020	Analyzed: 06/30/2020 22:21							
4-Chlorotoluene	545	50	ug/L	500.0	ND	109	80-120			D
4-Methyl-2-pentanone	5930	2000	ug/L	5000	ND	119	74.6-138			D
Acetone	14800	2000	ug/L	5000	ND	296	43.3-196			M, D
Benzene	555	50	ug/L	500.0	ND	111	81-123			D
Bromobenzene	558	50	ug/L	500.0	ND	112	80-120			D
Bromochloromethane	602	50	ug/L	500.0	ND	120	75.2-140			D
Bromodichloromethane	506	50	ug/L	500.0	ND	101	85.1-119			D
Bromoform	407	50	ug/L	500.0	ND	81.4	75.5-117			D
Carbon disulfide	495	50	ug/L	500.0	ND	99.0	43.1-163			D
Carbon tetrachloride	417	50	ug/L	500.0	ND	83.4	70.8-137			D
Chlorobenzene	526	50	ug/L	500.0	ND	105	80-120			D
Chloroform	547	50	ug/L	500.0	ND	109	73.3-138			D
Chloromethane	571	200	ug/L	500.0	ND	114	55.9-143			D
cis-1,2-Dichloroethene	549	50	ug/L	500.0	ND	110	81.7-124			D
cis-1,3-Dichloropropene	485	50	ug/L	500.0	ND	97.0	85.1-113			D
Dibromochloromethane	452	50	ug/L	500.0	ND	90.4	84.4-114			D
Dibromomethane	555	50	ug/L	500.0	ND	111	91.2-119			D
Dichlorodifluoromethane	514	50	ug/L	500.0	ND	103	85.4-139			D
Diisopropyl Ether	556	50	ug/L	500.0	ND	111	79.5-133			D
Ethylbenzene	539	50	ug/L	500.0	ND	108	80-120			D
Hexachlorobutadiene	461	200	ug/L	500.0	ND	92.2	78.4-120			D
Isopropylbenzene	520	50	ug/L	500.0	ND	104	84.7-114			D
m,p-Xylene	1040	100	ug/L	1000	ND	104	80-120			D
Methyl t-Butyl Ether	532	50	ug/L	500.0	ND	106	73-147			D
Methylene chloride	568	200	ug/L	500.0	66.0	100	64.1-146			D, B
Naphthalene	504	500	ug/L	500.0	ND	101	75.3-111			D
n-Butyl Benzene	515	50	ug/L	500.0	ND	103	81.7-115			D
n-Propyl Benzene	495	50	ug/L	500.0	ND	99.0	86.5-112			D
o-Xylene	514	50	ug/L	500.0	ND	103	85.8-112			D
p-Isopropyltoluene	504	50	ug/L	500.0	ND	101	82.5-114			D
sec-Butyl Benzene	513	50	ug/L	500.0	ND	103	85-114			D
Styrene	522	50	ug/L	500.0	ND	104	80-120			D
tert-Butylbenzene	511	50	ug/L	500.0	ND	102	82.4-117			D
Tetrachloroethene	508	50	ug/L	500.0	ND	102	85.2-114			D
Tetrahydrofuran	5720	1000	ug/L	5000	ND	114	65.8-161			D
Toluene	539	50	ug/L	500.0	ND	108	81.9-112			D
trans-1,2-Dichloroethene	518	50	ug/L	500.0	ND	104	81.8-123			D
trans-1,3-Dichloropropene	451	50	ug/L	500.0	ND	90.2	84.4-114			D
Trichloroethene	530	50	ug/L	500.0	ND	106	80-120			D
Vinyl chloride	532	50	ug/L	500.0	ND	106	64-147			D
Surrogate: Toluene-d8	533		ug/L	500.0		107	82.5-107			
Surrogate: 4-Bromofluorobenzene	512		ug/L	500.0		102	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	519		ug/L	500.0		104	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Matrix Spike Dup (A006211-MSD1)**

Source: A202705-13

Prepared: 06/30/2020 Analyzed: 06/30/2020 22:48

1,1,1,2-Tetrachloroethane	454	50	ug/L	500.0	ND	90.8	80-120	2.82	20	D
1,1,1-Trichloroethane	480	50	ug/L	500.0	ND	96.0	79.6-133	1.26	20	D
1,1,2,2-Tetrachloroethane	523	50	ug/L	500.0	ND	105	77.7-125	2.83	20	D
1,1,2-Trichloroethane	546	50	ug/L	500.0	ND	109	84.7-121	6.90	20	D
1,1,2-Trichlorotrifluoroethane	524	50	ug/L	500.0	ND	105	88.5-154	0.382	20	D
1,1-Dichloroethane	562	50	ug/L	500.0	ND	112	61-149	0.00	20	D
1,1-Dichloroethene	536	50	ug/L	500.0	ND	107	35.8-173	0.561	20	D
1,1-Dichloropropene	532	50	ug/L	500.0	ND	106	84.3-123	1.31	20	D
1,2,3-Trichlorobenzene	510	200	ug/L	500.0	ND	102	80-120	2.78	20	D
1,2,3-Trichloropropane	527	100	ug/L	500.0	ND	105	74.6-133	0.953	20	D
1,2,4-Trichlorobenzene	479	200	ug/L	500.0	ND	95.8	77.1-108	1.47	20	D
1,2,4-Trimethylbenzene	521	50	ug/L	500.0	ND	104	74.5-122	0.577	20	D
1,2-Dibromo-3-chloropropane	358	50	ug/L	500.0	ND	71.6	65.5-130	0.557	20	D
1,2-Dibromoethane (EDB)	516	50	ug/L	500.0	ND	103	80-120	3.05	20	D
1,2-Dichlorobenzene	531	50	ug/L	500.0	ND	106	80-120	0.189	20	D
1,2-Dichloroethane	943	50	ug/L	500.0	389	111	71.8-143	1.89	20	D
1,2-Dichloropropane	551	50	ug/L	500.0	ND	110	87.6-117	0.723	20	D
1,3,5-Trimethylbenzene	523	50	ug/L	500.0	ND	105	78.8-119	0.575	20	D
1,3-Dichlorobenzene	514	50	ug/L	500.0	ND	103	80-120	0.195	20	D
1,3-Dichloropropane	568	50	ug/L	500.0	ND	114	88.3-119	1.57	20	D
1,4-Dichlorobenzene	524	50	ug/L	500.0	ND	105	80-120	1.70	20	D
2,2-Dichloropropane	385	50	ug/L	500.0	ND	77.0	71.6-129	1.04	20	D
2-Butanone	8520	2000	ug/L	5000	ND	170	56.9-161	6.44	20	M, D
2-Chlorotoluene	542	50	ug/L	500.0	ND	108	80-120	1.30	20	D
2-Hexanone	7740	2000	ug/L	5000	ND	155	68.2-140	4.94	20	M, D
4-Chlorotoluene	542	50	ug/L	500.0	ND	108	80-120	0.552	20	D
4-Methyl-2-pentanone	5720	2000	ug/L	5000	ND	114	74.6-138	3.62	20	D
Acetone	13800	2000	ug/L	5000	ND	277	43.3-196	6.70	20	M, D
Benzene	546	50	ug/L	500.0	ND	109	81-123	1.63	20	D
Bromobenzene	574	50	ug/L	500.0	ND	115	80-120	2.83	20	D
Bromochloromethane	580	50	ug/L	500.0	ND	116	75.2-140	3.72	20	D
Bromodichloromethane	513	50	ug/L	500.0	ND	103	85.1-119	1.37	20	D
Bromoform	403	50	ug/L	500.0	ND	80.6	75.5-117	0.988	20	D
Carbon disulfide	491	50	ug/L	500.0	ND	98.2	43.1-163	0.811	20	D
Carbon tetrachloride	439	50	ug/L	500.0	ND	87.8	70.8-137	5.14	20	D
Chlorobenzene	527	50	ug/L	500.0	ND	105	80-120	0.190	20	D
Chloroform	546	50	ug/L	500.0	ND	109	73.3-138	0.183	20	D
Chloromethane	587	200	ug/L	500.0	ND	117	55.9-143	2.76	20	D
cis-1,2-Dichloroethene	534	50	ug/L	500.0	ND	107	81.7-124	2.77	20	D
cis-1,3-Dichloropropene	466	50	ug/L	500.0	ND	93.2	85.1-113	4.00	20	D
Dibromochloromethane	465	50	ug/L	500.0	ND	93.0	84.4-114	2.84	20	D
Dibromomethane	532	50	ug/L	500.0	ND	106	91.2-119	4.23	20	D
Dichlorodifluoromethane	516	50	ug/L	500.0	ND	103	85.4-139	0.388	20	D
Diisopropyl Ether	552	50	ug/L	500.0	ND	110	79.5-133	0.722	20	D
Ethylbenzene	540	50	ug/L	500.0	ND	108	80-120	0.185	20	D
Hexachlorobutadiene	453	200	ug/L	500.0	ND	90.6	78.4-120	1.75	20	D
Isopropylbenzene	532	50	ug/L	500.0	ND	106	84.7-114	2.28	20	D

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Matrix Spike Dup (A006211-MSD1)**

Source: A202705-13

Prepared: 06/30/2020 Analyzed: 06/30/2020 22:48

m,p-Xylene	1050	100	ug/L	1000	ND	105	80-120	1.15	20	D
Methyl t-Butyl Ether	511	50	ug/L	500.0	ND	102	73-147	4.03	20	D
Methylene chloride	561	200	ug/L	500.0	66.0	99.0	64.1-146	1.24	20	D, B
Naphthalene	497	500	ug/L	500.0	ND	99.4	75.3-111	1.40	20	J, D
n-Butyl Benzene	517	50	ug/L	500.0	ND	103	81.7-115	0.388	20	D
n-Propyl Benzene	517	50	ug/L	500.0	ND	103	86.5-112	4.35	20	D
o-Xylene	513	50	ug/L	500.0	ND	103	85.8-112	0.195	20	D
p-Isopropyltoluene	509	50	ug/L	500.0	ND	102	82.5-114	0.987	20	D
sec-Butyl Benzene	519	50	ug/L	500.0	ND	104	85-114	1.16	20	D
Styrene	510	50	ug/L	500.0	ND	102	80-120	2.33	20	D
tert-Butylbenzene	526	50	ug/L	500.0	ND	105	82.4-117	2.89	20	D
Tetrachloroethene	506	50	ug/L	500.0	ND	101	85.2-114	0.394	20	D
Tetrahydrofuran	5390	1000	ug/L	5000	ND	108	65.8-161	5.95	20	D
Toluene	546	50	ug/L	500.0	ND	109	81.9-112	1.29	20	D
trans-1,2-Dichloroethene	523	50	ug/L	500.0	ND	105	81.8-123	0.961	20	D
trans-1,3-Dichloropropene	435	50	ug/L	500.0	ND	87.0	84.4-114	3.61	20	D
Trichloroethene	524	50	ug/L	500.0	ND	105	80-120	1.14	20	D
Vinyl chloride	550	50	ug/L	500.0	ND	110	64-147	3.33	20	D
Surrogate: Toluene-d8	523		ug/L	500.0		105	82.5-107			
Surrogate: 4-Bromofluorobenzene	509		ug/L	500.0		102	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	504		ug/L	500.0		101	80-120			

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**Classical Chemistry Parameters - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006213 - % Solids**

Duplicate (A006213-DUP1)	Source: A202705-01	Prepared: 06/30/2020	Analyzed: 07/01/2020 07:50		
% Solids	73.2	0.00 % by Weight	73.5	0.361	20

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- D Data reported from a dilution
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12460

Page: 1 of 2

Project Number: <b>044161</b>		PO Number:		Lab Work Order #: <b>A202705</b>				Report To:					
Project Name: <b>910 Myer LLC - RCB Invest.</b>				Preservation Codes				Company:					
Project Location (City, State): <b>Madison, WI</b>				Analyses Requested				Address 1:					
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				F	A	F	Address 2:						
If Rush, Report Due Date:				F	A	F	E-mail Address:						
Sampled By (Print): <b>ERM</b>				Matrix	Total # of Containers	VOCs	Dry Weight	ms/msd	Invoice To:				
									Company:				
Sample Description				Collection		Date	Time	Comments	Lab ID	Lab Receipt Time			
TS-GP-8(2-3)-20200630				S	3	6/30/20	810	2	1	X	0.7 ppm + ms/msd	01	
TS-GP-8(5-6)-20200630					3	815	2	1			0.8 ppm	02	
TS-GP-8(8-9)-20200630					3	820	2	1			0.8 ppm	03	
TS-GP-8(15-16)-20200630					3	825	2	1			0.8 ppm	04	
TS-GP-8(17-18)-20200630					3	830	2	1			2.0 ppm	05	
TS-GP-4(2-3)-20200630					3	835	2	1			0.9 ppm	06	
TS-GP-4(5-6)-20200630					3	840	2	1	X		1.4 ppm	07	
TS-GP-4(9-10)-20200630					3	845	2	1			1.2 ppm	08	
TS-GP-4(13-14)-20200630					3	850	2	1			1.2 ppm	09	
TS-GP-4(18-19)-20200630					3	855	2	1			2.9 ppm	10	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>		Relinquished By: <i>Erm</i> Date: <b>6/30/20</b> Time: <b>1150</b>		Relinquished By: Date: Time:		Received By: <i>[Signature]</i> Date: <b>6/30/20</b> Time: <b>12:00</b>		Received By: Date: Time:			
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <b>Pick Up</b>		Receipt Temp: <b>On Ice</b>		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N			

Page 48 of 49 A202705 FINAL 07 09 2020 1358



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12459

Page: <sup>CS</sup> 2 of 2

Project Number: <b>044161</b>				PO Number:				Lab Work Order #: <b>A202705</b>				Report To: <b>Paul Sterkenburg</b>				
Project Name: <b>910 Myer LLC - RCB Invest.</b>				Project Location (City, State): <b>Madison, WI</b>				Preservation Codes				Company: <b>ERM</b>				
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				If Rush, Report Due Date:				Analyses Requested: <b>A</b>				Address 1:				
Sampled By (Print): <b>ERM</b>				Matrix: <b>W</b>				Total # of Containers: <b>3</b>				Address 2:				
Sample Description				Collection		Matrix	Total # of Containers	VOCs					E-mail Address: <b>Paul.Sterkenburg@erm.com</b>			
				Date	Time								Comments	Lab ID	Lab Receipt Time	
TS-VAS-021(14-19)-20200630				6/30/20	915	W	3	3						11		
TS-VAS-021(20-24)-20200630					940		3	3							12	
TS-VAS-021(26-30)-20200630					1000		3	3							13	
TS-VAS-022(16-20)-20200630					1040		3	3							14	
TS-VAS-022(21-25)-20200630					1100		3	3							15	
TS-VAS-022(26-30)-20200630					1120		3	3							16	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				<b>Other Comments:</b> Relinquished By: <i>[Signature]</i> Relinquished By: <i>[Signature]</i> Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Date: <b>6/30/20</b> Time: <b>1150</b> Date: _____ Time: _____		Received By: <i>[Signature]</i> Received By: _____		Date: <b>6/30/20</b> Time: <b>12:00</b> Date: _____ Time: _____		Shipped Via: <b>Pick Up</b> Receipt Temp: <b>On Ice</b> Thermometer #/ Exp. Date: _____ Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N		

Page 49 of 49 A202705 FINAL 07 09 2020 1358





2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 06/30/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-VAS-023(18-21)-20200630	A202707-01	Water	06/30/2020	06/30/2020
TS-VAS-023(22-25)-20200630	A202707-02	Water	06/30/2020	06/30/2020
TS-VAS-023(27-30)-20200630	A202707-03	Water	06/30/2020	06/30/2020

### CASE NARRATIVE

#### **Sample Receipt Information:**

Three samples were received on 06/30/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-023(18-21)-20200630**  
**A202707-01 (Water)**

Date Sampled  
06/30/2020 12:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.99	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1,2-Trichloroethane	ND	1.0	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	1.3	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1-Dichloroethane	ND	1.2	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1-Dichloroethene	ND	1.4	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,1-Dichloropropene	ND	1.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.45	20	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2,3-Trichloropropane	ND	1.5	10	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.77	20	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.60	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	2.5	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	1.3	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,2-Dichlorobenzene	ND	0.76	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>250</b>	0.78	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	D
1,2-Dichloropropane	ND	1.0	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.75	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,3-Dichlorobenzene	ND	0.96	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,3-Dichloropropane	ND	1.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
1,4-Dichlorobenzene	ND	0.70	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
2,2-Dichloropropane	ND	1.4	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
2-Butanone	ND	30	200	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
2-Chlorotoluene	ND	0.75	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
2-Hexanone	ND	9.5	200	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
4-Chlorotoluene	ND	0.73	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
4-Methyl-2-pentanone	ND	7.7	200	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Acetone	ND	34	200	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Benzene	ND	0.89	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Bromobenzene	ND	0.84	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Bromochloromethane	ND	3.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Bromodichloromethane	ND	0.77	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Bromoform	ND	0.88	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Carbon disulfide	ND	0.53	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Carbon tetrachloride	ND	0.38	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Chlorobenzene	ND	0.73	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Chloroform	ND	0.62	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Chloromethane	ND	1.6	20	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
cis-1,2-Dichloroethene	ND	1.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.61	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Dibromochloromethane	ND	0.91	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Dibromomethane	ND	1.4	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-023(18-21)-20200630**

**A202707-01 (Water)**

**Date Sampled**  
**06/30/2020 12:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Dichlorodifluoromethane	ND	1.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
<b>Diisopropyl Ether</b>	<b>7.9</b>	1.5	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	D
Ethylbenzene	ND	0.54	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Hexachlorobutadiene	ND	1.3	20	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Isopropylbenzene	ND	0.81	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
m,p-Xylene	ND	0.57	10	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Methyl t-Butyl Ether	ND	1.4	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
<b>Methylene chloride</b>	<b>4.0</b>	1.4	20	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	J, D, B
Naphthalene	ND	0.88	50	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
n-Butyl Benzene	ND	1.4	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
n-Propyl Benzene	ND	1.0	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
o-Xylene	ND	0.58	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
p-Isopropyltoluene	ND	0.85	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
sec-Butyl Benzene	ND	1.3	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Styrene	ND	0.65	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
tert-Butylbenzene	ND	1.2	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Tetrachloroethene	ND	0.81	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Tetrahydrofuran	ND	12	100	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
<b>Toluene</b>	<b>0.90</b>	0.53	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	J, D
trans-1,2-Dichloroethene	ND	1.1	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.96	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
Trichloroethene	ND	0.62	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	
<b>Vinyl chloride</b>	<b>2.1</b>	1.6	5.0	ug/L	10	06/30/2020	06/30/2020 21:25	EPA 8260B	J, D
Surrogate: Toluene-d8			101 %	82.5-107		06/30/2020	06/30/2020 21:25	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			93.6 %	78.3-109		06/30/2020	06/30/2020 21:25	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			93.5 %	80-120		06/30/2020	06/30/2020 21:25	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-023(22-25)-20200630**

**A202707-02 (Water)**

**Date Sampled**  
**06/30/2020 12:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1,1-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.9	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1,2-Trichloroethane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	13	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1-Dichloroethane	ND	12	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1-Dichloroethene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,1-Dichloropropene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.5	200	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2,3-Trichloropropane	ND	15	100	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.7	200	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	25	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,2-Dichlorobenzene	ND	7.6	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>23000</b>	78	500	ug/L	1000	06/30/2020	06/30/2020 20:58	EPA 8260B	D
1,2-Dichloropropane	ND	10	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,3-Dichlorobenzene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,3-Dichloropropane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
1,4-Dichlorobenzene	ND	7.0	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
2,2-Dichloropropane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
2-Butanone	ND	300	2000	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
2-Chlorotoluene	ND	7.5	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
2-Hexanone	ND	95	2000	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
4-Chlorotoluene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
4-Methyl-2-pentanone	ND	77	2000	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Acetone	ND	340	2000	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Benzene	ND	8.9	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Bromobenzene	ND	8.4	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Bromochloromethane	ND	31	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Bromodichloromethane	ND	7.7	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Bromoform	ND	8.8	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Carbon disulfide	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Carbon tetrachloride	ND	3.8	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Chlorobenzene	ND	7.3	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Chloroform	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Chloromethane	ND	16	200	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>18</b>	11	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	J, D
cis-1,3-Dichloropropene	ND	6.1	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Dibromochloromethane	ND	9.1	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Dibromomethane	ND	14	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Dichlorodifluoromethane	ND	11	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-023(22-25)-20200630**

**A202707-02 (Water)**

**Date Sampled**  
**06/30/2020 12:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>Diisopropyl Ether</b>	<b>40</b>	15	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	J, D
Ethylbenzene	ND	5.4	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Isopropylbenzene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
m,p-Xylene	ND	5.7	100	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Methyl t-Butyl Ether	ND	14	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
<b>Methylene chloride</b>	<b>35</b>	14	200	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	J, D, B
Naphthalene	ND	8.8	500	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
n-Butyl Benzene	ND	14	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
n-Propyl Benzene	ND	10	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
o-Xylene	ND	5.8	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
p-Isopropyltoluene	ND	8.5	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
sec-Butyl Benzene	ND	13	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Styrene	ND	6.5	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
tert-Butylbenzene	ND	12	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Tetrachloroethene	ND	8.1	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Tetrahydrofuran	ND	120	1000	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Toluene	ND	5.3	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.6	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
Trichloroethene	ND	6.2	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	
<b>Vinyl chloride</b>	<b>100</b>	16	50	ug/L	100	06/30/2020	06/30/2020 16:42	EPA 8260B	D
Surrogate: Toluene-d8			99.8 %	82.5-107		06/30/2020	06/30/2020 20:58	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			91.8 %	78.3-109		06/30/2020	06/30/2020 20:58	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			92.8 %	80-120		06/30/2020	06/30/2020 20:58	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-023(27-30)-20200630**

**A202707-03 (Water)**

**Date Sampled**  
**06/30/2020 12:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>1,1-Dichloroethane</b>	<b>0.32</b>	0.12	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
<b>1,1-Dichloroethene</b>	<b>1.0</b>	0.14	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>9.7</b>	0.078	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2-Hexanone	ND	0.95	20	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Benzene</b>	<b>1.6</b>	0.089	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromoform	ND	0.088	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Carbon disulfide</b>	<b>0.14</b>	0.053	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Chloromethane	ND	0.16	2.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>7.4</b>	0.11	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Dibromochloromethane	ND	0.091	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-023(27-30)-20200630**

**A202707-03 (Water)**

**Date Sampled**  
**06/30/2020 12:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

<b>Diisopropyl Ether</b>	<b>8.6</b>	0.15	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>m,p-Xylene</b>	<b>0.11</b>	0.057	1.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
<b>Methyl t-Butyl Ether</b>	<b>1.1</b>	0.14	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Methylene chloride</b>	<b>0.34</b>	0.14	2.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J, B
Naphthalene	ND	0.088	5.0	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Styrene	ND	0.065	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Tetrachloroethene	ND	0.081	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Toluene</b>	<b>0.28</b>	0.053	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
<b>trans-1,2-Dichloroethene</b>	<b>2.3</b>	0.11	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Trichloroethene</b>	<b>0.88</b>	0.062	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Vinyl chloride</b>	<b>39</b>	0.16	0.50	ug/L	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Surrogate: Toluene-d8			102 %	82.5-107		06/30/2020	06/30/2020 20:30	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			94.8 %	78.3-109		06/30/2020	06/30/2020 20:30	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			95.3 %	80-120		06/30/2020	06/30/2020 20:30	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Blank (A006211-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:05

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,2-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,1-Dichloropropene	ND	0.50	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	0.50	ug/L							
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L							
1,2-Dibromoethane (EDB)	ND	0.50	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.50	ug/L							
1,3-Dichlorobenzene	ND	0.50	ug/L							
1,3-Dichloropropane	ND	0.50	ug/L							
1,4-Dichlorobenzene	ND	0.50	ug/L							
2,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone	ND	20	ug/L							
2-Chlorotoluene	ND	0.50	ug/L							
2-Hexanone	ND	20	ug/L							
4-Chlorotoluene	ND	0.50	ug/L							
4-Methyl-2-pentanone	ND	20	ug/L							
Acetone	ND	20	ug/L							
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	ug/L							
Bromochloromethane	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	0.50	ug/L							
Carbon disulfide	ND	0.50	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
cis-1,3-Dichloropropene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Diisopropyl Ether	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
Isopropylbenzene	ND	0.50	ug/L							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Blank (A006211-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:05

m,p-Xylene	ND	1.0	ug/L							
Methyl t-Butyl Ether	ND	0.50	ug/L							
Methylene chloride	0.38	2.0	ug/L							J
Naphthalene	ND	5.0	ug/L							
n-Butyl Benzene	ND	0.50	ug/L							
n-Propyl Benzene	ND	0.50	ug/L							
o-Xylene	ND	0.50	ug/L							
p-Isopropyltoluene	ND	0.50	ug/L							
sec-Butyl Benzene	ND	0.50	ug/L							
Styrene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
trans-1,3-Dichloropropene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
<i>Surrogate: Toluene-d8</i>	<i>9.99</i>		<i>ug/L</i>	<i>10.00</i>		<i>99.9</i>	<i>82.5-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>9.13</i>		<i>ug/L</i>	<i>10.00</i>		<i>91.3</i>	<i>78.3-109</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>9.38</i>		<i>ug/L</i>	<i>10.00</i>		<i>93.8</i>	<i>80-120</i>			

**LCS (A006211-BS1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 23:15

1,1,1,2-Tetrachloroethane	4.73	0.50	ug/L	5.000		94.6	80-120			
1,1,1-Trichloroethane	4.95	0.50	ug/L	5.000		99.0	84.5-127			
1,1,2,2-Tetrachloroethane	5.16	0.50	ug/L	5.000		103	82.1-119			
1,1,2-Trichloroethane	5.65	0.50	ug/L	5.000		113	87.5-116			
1,1,2-Trichlorotrifluoroethane	5.44	0.50	ug/L	5.000		109	74.5-142			
1,1-Dichloroethane	5.76	0.50	ug/L	5.000		115	78-134			
1,1-Dichloroethene	5.36	0.50	ug/L	5.000		107	60.6-148			
1,1-Dichloropropene	5.44	0.50	ug/L	5.000		109	84.8-124			
1,2,3-Trichlorobenzene	5.13	2.0	ug/L	5.000		103	80-120			
1,2,3-Trichloropropane	5.41	1.0	ug/L	5.000		108	80.9-123			
1,2,4-Trichlorobenzene	4.81	2.0	ug/L	5.000		96.2	77.7-109			
1,2,4-Trimethylbenzene	5.39	0.50	ug/L	5.000		108	86.7-115			
1,2-Dibromo-3-chloropropane	3.34	0.50	ug/L	5.000		66.8	66.6-125			
1,2-Dibromoethane (EDB)	5.35	0.50	ug/L	5.000		107	80-120			
1,2-Dichlorobenzene	5.41	0.50	ug/L	5.000		108	80-120			
1,2-Dichloroethane	5.94	0.50	ug/L	5.000		119	78.9-134			
1,2-Dichloropropane	5.61	0.50	ug/L	5.000		112	88.8-116			
1,3,5-Trimethylbenzene	5.31	0.50	ug/L	5.000		106	88.8-114			
1,3-Dichlorobenzene	5.19	0.50	ug/L	5.000		104	80-120			
1,3-Dichloropropane	5.73	0.50	ug/L	5.000		115	89-116			
1,4-Dichlorobenzene	5.37	0.50	ug/L	5.000		107	80-120			
2,2-Dichloropropane	3.84	0.50	ug/L	5.000		76.8	69.1-130			
2-Butanone	90.4	20	ug/L	50.00		181	66.1-143			
2-Chlorotoluene	5.51	0.50	ug/L	5.000		110	88.5-114			
2-Hexanone	82.0	20	ug/L	50.00		164	74.1-132			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**LCS (A006211-BS1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 23:15

4-Chlorotoluene	5.64	0.50	ug/L	5.000		113	87.1-115			
4-Methyl-2-pentanone	60.8	20	ug/L	50.00		122	78.3-130			
Acetone	150	20	ug/L	50.00		300	47.3-164			
Benzene	5.56	0.50	ug/L	5.000		111	84.5-121			
Bromobenzene	5.74	0.50	ug/L	5.000		115	80-120			
Bromochloromethane	5.93	0.50	ug/L	5.000		119	83.3-126			
Bromodichloromethane	5.17	0.50	ug/L	5.000		103	88.5-115			
Bromoform	4.03	0.50	ug/L	5.000		80.6	79.1-114			
Carbon disulfide	5.03	0.50	ug/L	5.000		101	58.3-141			
Carbon tetrachloride	4.48	0.50	ug/L	5.000		89.6	74.6-130			
Chlorobenzene	5.43	0.50	ug/L	5.000		109	80-120			
Chloroform	5.43	0.50	ug/L	5.000		109	79.4-131			
Chloromethane	5.88	2.0	ug/L	5.000		118	64.9-141			
cis-1,2-Dichloroethene	5.45	0.50	ug/L	5.000		109	86.4-119			
cis-1,3-Dichloropropene	4.83	0.50	ug/L	5.000		96.6	85.5-114			
Dibromochloromethane	4.77	0.50	ug/L	5.000		95.4	86.2-113			
Dibromomethane	5.45	0.50	ug/L	5.000		109	87.6-117			
Dichlorodifluoromethane	5.16	0.50	ug/L	5.000		103	70.1-142			
Diisopropyl Ether	5.47	0.50	ug/L	5.000		109	79.9-131			
Ethylbenzene	5.51	0.50	ug/L	5.000		110	80-120			
Hexachlorobutadiene	4.49	2.0	ug/L	5.000		89.8	80.1-122			
Isopropylbenzene	5.38	0.50	ug/L	5.000		108	80-120			
m,p-Xylene	10.7	1.0	ug/L	10.00		107	80-120			
Methyl t-Butyl Ether	5.33	0.50	ug/L	5.000		107	77.4-133			
Methylene chloride	5.75	2.0	ug/L	5.000		115	74-136			B
Naphthalene	5.16	5.0	ug/L	5.000		103	74.3-114			
n-Butyl Benzene	5.32	0.50	ug/L	5.000		106	82.2-117			
n-Propyl Benzene	5.23	0.50	ug/L	5.000		105	86.1-116			
o-Xylene	5.26	0.50	ug/L	5.000		105	80-120			
p-Isopropyltoluene	5.35	0.50	ug/L	5.000		107	86.5-114			
sec-Butyl Benzene	5.41	0.50	ug/L	5.000		108	88.4-114			
Styrene	5.27	0.50	ug/L	5.000		105	80-120			
tert-Butylbenzene	5.39	0.50	ug/L	5.000		108	85.7-117			
Tetrachloroethene	5.24	0.50	ug/L	5.000		105	83.6-115			
Tetrahydrofuran	57.4	10	ug/L	50.00		115	67.5-147			
Toluene	5.47	0.50	ug/L	5.000		109	87-113			
trans-1,2-Dichloroethene	5.30	0.50	ug/L	5.000		106	80.8-125			
trans-1,3-Dichloropropene	4.47	0.50	ug/L	5.000		89.4	84.7-114			
Trichloroethene	5.48	0.50	ug/L	5.000		110	80-120			
Vinyl chloride	5.42	0.50	ug/L	5.000		108	66.2-141			
Surrogate: Toluene-d8	5.34		ug/L	5.000		107	82.5-107			
Surrogate: 4-Bromofluorobenzene	5.19		ug/L	5.000		104	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	5.13		ug/L	5.000		103	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

Matrix Spike (A006211-MS1)	Source: A202705-13	Prepared: 06/30/2020	Analyzed: 06/30/2020 22:21							
1,1,1,2-Tetrachloroethane	467	50	ug/L	500.0	ND	93.4	80-120			D
1,1,1-Trichloroethane	474	50	ug/L	500.0	ND	94.8	79.6-133			D
1,1,2,2-Tetrachloroethane	538	50	ug/L	500.0	ND	108	77.7-125			D
1,1,2-Trichloroethane	585	50	ug/L	500.0	ND	117	84.7-121			D
1,1,2-Trichlorotrifluoroethane	522	50	ug/L	500.0	ND	104	88.5-154			D
1,1-Dichloroethane	562	50	ug/L	500.0	ND	112	61-149			D
1,1-Dichloroethene	533	50	ug/L	500.0	ND	107	35.8-173			D
1,1-Dichloropropene	539	50	ug/L	500.0	ND	108	84.3-123			D
1,2,3-Trichlorobenzene	496	200	ug/L	500.0	ND	99.2	80-120			D
1,2,3-Trichloropropane	522	100	ug/L	500.0	ND	104	74.6-133			D
1,2,4-Trichlorobenzene	472	200	ug/L	500.0	ND	94.4	77.1-108			D
1,2,4-Trimethylbenzene	518	50	ug/L	500.0	ND	104	74.5-122			D
1,2-Dibromo-3-chloropropane	360	50	ug/L	500.0	ND	72.0	65.5-130			D
1,2-Dibromoethane (EDB)	532	50	ug/L	500.0	ND	106	80-120			D
1,2-Dichlorobenzene	530	50	ug/L	500.0	ND	106	80-120			D
1,2-Dichloroethane	961	50	ug/L	500.0	389	114	71.8-143			D
1,2-Dichloropropane	555	50	ug/L	500.0	ND	111	87.6-117			D
1,3,5-Trimethylbenzene	520	50	ug/L	500.0	ND	104	78.8-119			D
1,3-Dichlorobenzene	513	50	ug/L	500.0	ND	103	80-120			D
1,3-Dichloropropane	577	50	ug/L	500.0	ND	115	88.3-119			D
1,4-Dichlorobenzene	533	50	ug/L	500.0	ND	107	80-120			D
2,2-Dichloropropane	381	50	ug/L	500.0	ND	76.2	71.6-129			D
2-Butanone	9080	2000	ug/L	5000	ND	182	56.9-161			M, D
2-Chlorotoluene	535	50	ug/L	500.0	ND	107	80-120			D
2-Hexanone	8130	2000	ug/L	5000	ND	163	68.2-140			M, D
4-Chlorotoluene	545	50	ug/L	500.0	ND	109	80-120			D
4-Methyl-2-pentanone	5930	2000	ug/L	5000	ND	119	74.6-138			D
Acetone	14800	2000	ug/L	5000	ND	296	43.3-196			M, D
Benzene	555	50	ug/L	500.0	ND	111	81-123			D
Bromobenzene	558	50	ug/L	500.0	ND	112	80-120			D
Bromochloromethane	602	50	ug/L	500.0	ND	120	75.2-140			D
Bromodichloromethane	506	50	ug/L	500.0	ND	101	85.1-119			D
Bromoform	407	50	ug/L	500.0	ND	81.4	75.5-117			D
Carbon disulfide	495	50	ug/L	500.0	ND	99.0	43.1-163			D
Carbon tetrachloride	417	50	ug/L	500.0	ND	83.4	70.8-137			D
Chlorobenzene	526	50	ug/L	500.0	ND	105	80-120			D
Chloroform	547	50	ug/L	500.0	ND	109	73.3-138			D
Chloromethane	571	200	ug/L	500.0	ND	114	55.9-143			D
cis-1,2-Dichloroethene	549	50	ug/L	500.0	ND	110	81.7-124			D
cis-1,3-Dichloropropene	485	50	ug/L	500.0	ND	97.0	85.1-113			D
Dibromochloromethane	452	50	ug/L	500.0	ND	90.4	84.4-114			D
Dibromomethane	555	50	ug/L	500.0	ND	111	91.2-119			D
Dichlorodifluoromethane	514	50	ug/L	500.0	ND	103	85.4-139			D
Diisopropyl Ether	556	50	ug/L	500.0	ND	111	79.5-133			D
Ethylbenzene	539	50	ug/L	500.0	ND	108	80-120			D
Hexachlorobutadiene	461	200	ug/L	500.0	ND	92.2	78.4-120			D
Isopropylbenzene	520	50	ug/L	500.0	ND	104	84.7-114			D

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

Matrix Spike (A006211-MS1)	Source: A202705-13			Prepared: 06/30/2020		Analyzed: 06/30/2020 22:21				
m,p-Xylene	1040	100	ug/L	1000	ND	104	80-120			D
Methyl t-Butyl Ether	532	50	ug/L	500.0	ND	106	73-147			D
Methylene chloride	568	200	ug/L	500.0	66.0	100	64.1-146			D, B
Naphthalene	504	500	ug/L	500.0	ND	101	75.3-111			D
n-Butyl Benzene	515	50	ug/L	500.0	ND	103	81.7-115			D
n-Propyl Benzene	495	50	ug/L	500.0	ND	99.0	86.5-112			D
o-Xylene	514	50	ug/L	500.0	ND	103	85.8-112			D
p-Isopropyltoluene	504	50	ug/L	500.0	ND	101	82.5-114			D
sec-Butyl Benzene	513	50	ug/L	500.0	ND	103	85-114			D
Styrene	522	50	ug/L	500.0	ND	104	80-120			D
tert-Butylbenzene	511	50	ug/L	500.0	ND	102	82.4-117			D
Tetrachloroethene	508	50	ug/L	500.0	ND	102	85.2-114			D
Tetrahydrofuran	5720	1000	ug/L	5000	ND	114	65.8-161			D
Toluene	539	50	ug/L	500.0	ND	108	81.9-112			D
trans-1,2-Dichloroethene	518	50	ug/L	500.0	ND	104	81.8-123			D
trans-1,3-Dichloropropene	451	50	ug/L	500.0	ND	90.2	84.4-114			D
Trichloroethene	530	50	ug/L	500.0	ND	106	80-120			D
Vinyl chloride	532	50	ug/L	500.0	ND	106	64-147			D
Surrogate: Toluene-d8	533		ug/L	500.0		107	82.5-107			
Surrogate: 4-Bromofluorobenzene	512		ug/L	500.0		102	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	519		ug/L	500.0		104	80-120			

Matrix Spike Dup (A006211-MSD1)	Source: A202705-13			Prepared: 06/30/2020		Analyzed: 06/30/2020 22:48				
1,1,1,2-Tetrachloroethane	454	50	ug/L	500.0	ND	90.8	80-120	2.82	20	D
1,1,1-Trichloroethane	480	50	ug/L	500.0	ND	96.0	79.6-133	1.26	20	D
1,1,2,2-Tetrachloroethane	523	50	ug/L	500.0	ND	105	77.7-125	2.83	20	D
1,1,2-Trichloroethane	546	50	ug/L	500.0	ND	109	84.7-121	6.90	20	D
1,1,2-Trichlorotrifluoroethane	524	50	ug/L	500.0	ND	105	88.5-154	0.382	20	D
1,1-Dichloroethane	562	50	ug/L	500.0	ND	112	61-149	0.00	20	D
1,1-Dichloroethene	536	50	ug/L	500.0	ND	107	35.8-173	0.561	20	D
1,1-Dichloropropene	532	50	ug/L	500.0	ND	106	84.3-123	1.31	20	D
1,2,3-Trichlorobenzene	510	200	ug/L	500.0	ND	102	80-120	2.78	20	D
1,2,3-Trichloropropane	527	100	ug/L	500.0	ND	105	74.6-133	0.953	20	D
1,2,4-Trichlorobenzene	479	200	ug/L	500.0	ND	95.8	77.1-108	1.47	20	D
1,2,4-Trimethylbenzene	521	50	ug/L	500.0	ND	104	74.5-122	0.577	20	D
1,2-Dibromo-3-chloropropane	358	50	ug/L	500.0	ND	71.6	65.5-130	0.557	20	D
1,2-Dibromoethane (EDB)	516	50	ug/L	500.0	ND	103	80-120	3.05	20	D
1,2-Dichlorobenzene	531	50	ug/L	500.0	ND	106	80-120	0.189	20	D
1,2-Dichloroethane	943	50	ug/L	500.0	389	111	71.8-143	1.89	20	D
1,2-Dichloropropane	551	50	ug/L	500.0	ND	110	87.6-117	0.723	20	D
1,3,5-Trimethylbenzene	523	50	ug/L	500.0	ND	105	78.8-119	0.575	20	D
1,3-Dichlorobenzene	514	50	ug/L	500.0	ND	103	80-120	0.195	20	D
1,3-Dichloropropane	568	50	ug/L	500.0	ND	114	88.3-119	1.57	20	D
1,4-Dichlorobenzene	524	50	ug/L	500.0	ND	105	80-120	1.70	20	D
2,2-Dichloropropane	385	50	ug/L	500.0	ND	77.0	71.6-129	1.04	20	D
2-Butanone	8520	2000	ug/L	5000	ND	170	56.9-161	6.44	20	M, D
2-Chlorotoluene	542	50	ug/L	500.0	ND	108	80-120	1.30	20	D
2-Hexanone	7740	2000	ug/L	5000	ND	155	68.2-140	4.94	20	M, D

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Matrix Spike Dup (A006211-MSD1)**

Source: A202705-13

Prepared: 06/30/2020 Analyzed: 06/30/2020 22:48

4-Chlorotoluene	542	50	ug/L	500.0	ND	108	80-120	0.552	20	D
4-Methyl-2-pentanone	5720	2000	ug/L	5000	ND	114	74.6-138	3.62	20	D
Acetone	13800	2000	ug/L	5000	ND	277	43.3-196	6.70	20	M, D
Benzene	546	50	ug/L	500.0	ND	109	81-123	1.63	20	D
Bromobenzene	574	50	ug/L	500.0	ND	115	80-120	2.83	20	D
Bromochloromethane	580	50	ug/L	500.0	ND	116	75.2-140	3.72	20	D
Bromodichloromethane	513	50	ug/L	500.0	ND	103	85.1-119	1.37	20	D
Bromoform	403	50	ug/L	500.0	ND	80.6	75.5-117	0.988	20	D
Carbon disulfide	491	50	ug/L	500.0	ND	98.2	43.1-163	0.811	20	D
Carbon tetrachloride	439	50	ug/L	500.0	ND	87.8	70.8-137	5.14	20	D
Chlorobenzene	527	50	ug/L	500.0	ND	105	80-120	0.190	20	D
Chloroform	546	50	ug/L	500.0	ND	109	73.3-138	0.183	20	D
Chloromethane	587	200	ug/L	500.0	ND	117	55.9-143	2.76	20	D
cis-1,2-Dichloroethene	534	50	ug/L	500.0	ND	107	81.7-124	2.77	20	D
cis-1,3-Dichloropropene	466	50	ug/L	500.0	ND	93.2	85.1-113	4.00	20	D
Dibromochloromethane	465	50	ug/L	500.0	ND	93.0	84.4-114	2.84	20	D
Dibromomethane	532	50	ug/L	500.0	ND	106	91.2-119	4.23	20	D
Dichlorodifluoromethane	516	50	ug/L	500.0	ND	103	85.4-139	0.388	20	D
Diisopropyl Ether	552	50	ug/L	500.0	ND	110	79.5-133	0.722	20	D
Ethylbenzene	540	50	ug/L	500.0	ND	108	80-120	0.185	20	D
Hexachlorobutadiene	453	200	ug/L	500.0	ND	90.6	78.4-120	1.75	20	D
Isopropylbenzene	532	50	ug/L	500.0	ND	106	84.7-114	2.28	20	D
m,p-Xylene	1050	100	ug/L	1000	ND	105	80-120	1.15	20	D
Methyl t-Butyl Ether	511	50	ug/L	500.0	ND	102	73-147	4.03	20	D
Methylene chloride	561	200	ug/L	500.0	66.0	99.0	64.1-146	1.24	20	D, B
Naphthalene	497	500	ug/L	500.0	ND	99.4	75.3-111	1.40	20	J, D
n-Butyl Benzene	517	50	ug/L	500.0	ND	103	81.7-115	0.388	20	D
n-Propyl Benzene	517	50	ug/L	500.0	ND	103	86.5-112	4.35	20	D
o-Xylene	513	50	ug/L	500.0	ND	103	85.8-112	0.195	20	D
p-Isopropyltoluene	509	50	ug/L	500.0	ND	102	82.5-114	0.987	20	D
sec-Butyl Benzene	519	50	ug/L	500.0	ND	104	85-114	1.16	20	D
Styrene	510	50	ug/L	500.0	ND	102	80-120	2.33	20	D
tert-Butylbenzene	526	50	ug/L	500.0	ND	105	82.4-117	2.89	20	D
Tetrachloroethene	506	50	ug/L	500.0	ND	101	85.2-114	0.394	20	D
Tetrahydrofuran	5390	1000	ug/L	5000	ND	108	65.8-161	5.95	20	D
Toluene	546	50	ug/L	500.0	ND	109	81.9-112	1.29	20	D
trans-1,2-Dichloroethene	523	50	ug/L	500.0	ND	105	81.8-123	0.961	20	D
trans-1,3-Dichloropropene	435	50	ug/L	500.0	ND	87.0	84.4-114	3.61	20	D
Trichloroethene	524	50	ug/L	500.0	ND	105	80-120	1.14	20	D
Vinyl chloride	550	50	ug/L	500.0	ND	110	64-147	3.33	20	D
Surrogate: Toluene-d8	523		ug/L	500.0		105	82.5-107			
Surrogate: 4-Bromofluorobenzene	509		ug/L	500.0		102	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	504		ug/L	500.0		101	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- D Data reported from a dilution
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.







2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 06/30/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-GP-9(0-1)-20200630	A202708-01	Soil	06/30/2020	06/30/2020
TS-GP-9(6-7)-20200630	A202708-02	Soil	06/30/2020	06/30/2020
TS-GP-9(11-12)-20200630	A202708-03	Soil	06/30/2020	06/30/2020
TS-GP-9(13-14)-20200630	A202708-04	Soil	06/30/2020	06/30/2020
TS-GP-10(3-4)-20200630	A202708-05	Soil	06/30/2020	06/30/2020
TS-GP-10(4-5)-20200630	A202708-06	Soil	06/30/2020	06/30/2020
TS-GP-10(7-8)-20200630	A202708-07	Soil	06/30/2020	06/30/2020
TS-GP-10(11-12)-20200630	A202708-08	Soil	06/30/2020	06/30/2020
TS-GP-11(2-3)-20200630	A202708-09	Soil	06/30/2020	06/30/2020
TS-GP-11(6-7)-20200630	A202708-10	Soil	06/30/2020	06/30/2020
TS-GP-11(9-10)-20200630	A202708-11	Soil	06/30/2020	06/30/2020
TS-GP-11(12-13)-20200630	A202708-12	Soil	06/30/2020	06/30/2020
TS-GP-12(0-1)-20200630	A202708-13	Soil	06/30/2020	06/30/2020
TS-GP-12(4-5)-20200630	A202708-14	Soil	06/30/2020	06/30/2020
TS-GP-12(10-11)-20200630	A202708-15	Soil	06/30/2020	06/30/2020
DUP-2-20200630	A202708-16	Soil	06/30/2020	06/30/2020
DUP-3-20200630	A202708-17	Soil	06/30/2020	06/30/2020
TS-VAS-024-WG-95-100-20200630	A202708-18	Water	06/30/2020	06/30/2020
TS-VAS-024-WG-90-95-20200630	A202708-19	Water	06/30/2020	06/30/2020
TS-VAS-024-IW-P3W-20200630	A202708-20	Water	06/30/2020	06/30/2020

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

## **CASE NARRATIVE**

### **Sample Receipt Information:**

20 samples were received on 06/30/2020. Samples were received in acceptable condition with the exception noted below.

Sample A202708-15 had a discrepancy between the sample description on the chain of custody (COC) and the sample description on the container. Per the client, the container sample description is correct.

Please see the COC document at the end of this report for additional information.

### **Laboratory Control Samples (LCS):**

All analytes were biased low in A006210-BS1 and A006212-BS1 due to an apparent spiking error. Data is deemed acceptable because the recoveries of all the target analytes were acceptable in A006210-BSD1 and A006212-BSD1.

### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A202708-01 through A202708-08 states that there were low CCV recoveries for 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, acetone, carbon disulfide and vinyl chloride. The lower control limits are 70% or 80% and the lowest recoveries were 50.4%, 49.6%, 66.9%, 57.6% and 78.0%, respectively.

The HC footnote on samples A202708-03 and A202708-10 states that there was a high CCV recovery for 2-butanone. The upper control limit is 130% and the highest recovery was 162%.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(0-1)-20200630**

**A202708-01 (Soil)**

Date Sampled  
**06/30/2020 13:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	15	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,1-Trichloroethane	ND	15	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	12	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,2-Trichloroethane	ND	13	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	8.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	LC
1,1-Dichloroethane	ND	19	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,1-Dichloroethene	ND	15	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	LC
1,1-Dichloropropene	ND	7.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,3-Trichlorobenzene	ND	11	200	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,3-Trichloropropane	ND	13	100	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2,4-Trichlorobenzene	ND	13	200	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>44</b>	7.0	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	22	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	9.9	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dichlorobenzene	ND	5.4	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dichloroethane	ND	9.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,2-Dichloropropane	ND	15	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>1,3,5-Trimethylbenzene</b>	<b>17</b>	4.8	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
1,3-Dichlorobenzene	ND	9.5	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,3-Dichloropropane	ND	9.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
1,4-Dichlorobenzene	ND	8.0	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2,2-Dichloropropane	ND	20	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2-Butanone	ND	360	2000	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2-Chlorotoluene	ND	5.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
2-Hexanone	ND	58	2000	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
4-Chlorotoluene	ND	6.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
4-Methyl-2-pentanone	ND	78	2000	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Acetone</b>	<b>4400</b>	300	2000	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	LC
Benzene	ND	3.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromobenzene	ND	10	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromochloromethane	ND	19	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromodichloromethane	ND	6.8	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Bromoform	ND	30	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Carbon disulfide	ND	4.6	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	LC
Carbon tetrachloride	ND	8.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Chlorobenzene	ND	7.4	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Chloroform	ND	7.6	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Chloromethane	ND	16	100	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
cis-1,2-Dichloroethene	ND	16	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
cis-1,3-Dichloropropene	ND	11	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Dibromochloromethane	ND	11	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Dibromomethane	ND	22	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(0-1)-20200630**

Date Sampled  
**06/30/2020 13:25**

**A202708-01 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Dichlorodifluoromethane	ND	10	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Diisopropyl Ether	ND	28	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Ethylbenzene</b>	<b>240</b>	4.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Isopropylbenzene	ND	4.6	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>m,p-Xylene</b>	<b>1200</b>	6.2	100	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Methyl t-Butyl Ether	ND	8.6	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Methylene chloride	ND	14	200	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Naphthalene	ND	7.6	500	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
n-Butyl Benzene	ND	6.4	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
n-Propyl Benzene	ND	6.8	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>o-Xylene</b>	<b>410</b>	6.0	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
p-Isopropyltoluene	ND	5.6	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
sec-Butyl Benzene	ND	4.8	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
<b>Styrene</b>	<b>43</b>	8.0	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	J
tert-Butylbenzene	ND	5.4	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Tetrachloroethene	ND	11	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Tetrahydrofuran	ND	220	1000	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Toluene	ND	8.0	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
trans-1,2-Dichloroethene	ND	9.0	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
trans-1,3-Dichloropropene	ND	8.6	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Trichloroethene	ND	8.2	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	
Vinyl chloride	ND	12	50	ug/kg dry	1	06/30/2020	06/30/2020 20:30	EPA 8260B	LC
Surrogate: Toluene-d8			107 %	61.9-110		06/30/2020	06/30/2020 20:30	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			112 %	59.1-115		06/30/2020	06/30/2020 20:30	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	80-120		06/30/2020	06/30/2020 20:30	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>81.4</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(6-7)-20200630**

**A202708-02 (Soil)**

**Date Sampled**  
**06/30/2020 13:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	64	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,1,1-Trichloroethane	ND	61	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	50	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,1,2-Trichloroethane	ND	52	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	34	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	LC
1,1-Dichloroethane	ND	77	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,1-Dichloroethene	ND	61	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	LC
1,1-Dichloropropene	ND	30	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2,3-Trichlorobenzene	ND	46	830	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2,3-Trichloropropane	ND	54	420	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2,4-Trichlorobenzene	ND	53	830	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2,4-Trimethylbenzene	ND	29	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	92	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	41	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,2-Dichlorobenzene	ND	22	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>71</b>	38	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	J
1,2-Dichloropropane	ND	64	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,3,5-Trimethylbenzene	ND	20	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,3-Dichlorobenzene	ND	39	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,3-Dichloropropane	ND	38	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
1,4-Dichlorobenzene	ND	33	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
2,2-Dichloropropane	ND	83	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
2-Butanone	ND	1500	8300	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
2-Chlorotoluene	ND	22	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
2-Hexanone	ND	240	8300	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
4-Chlorotoluene	ND	26	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
4-Methyl-2-pentanone	ND	320	8300	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Acetone	ND	1200	8300	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	LC
Benzene	ND	13	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Bromobenzene	ND	42	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Bromochloromethane	ND	80	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Bromodichloromethane	ND	28	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Bromoform	ND	120	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Carbon disulfide	ND	19	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	LC
Carbon tetrachloride	ND	34	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Chlorobenzene	ND	31	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Chloroform	ND	32	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Chloromethane	ND	66	420	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
cis-1,2-Dichloroethene	ND	67	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
cis-1,3-Dichloropropene	ND	47	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Dibromochloromethane	ND	44	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Dibromomethane	ND	92	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Dichlorodifluoromethane	ND	42	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(6-7)-20200630**

Date Sampled  
**06/30/2020 13:30**

**A202708-02 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

<b>Diisopropyl Ether</b>	<b>140</b>	120	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	J
Ethylbenzene	ND	17	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Hexachlorobutadiene	ND	53	830	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Isopropylbenzene	ND	19	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
m,p-Xylene	ND	26	420	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Methyl t-Butyl Ether	ND	36	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Methylene chloride	ND	58	830	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
<b>Naphthalene</b>	<b>670</b>	32	2100	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	J, B
n-Butyl Benzene	ND	27	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
n-Propyl Benzene	ND	28	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
o-Xylene	ND	25	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
p-Isopropyltoluene	ND	23	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
sec-Butyl Benzene	ND	20	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Styrene	ND	33	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
tert-Butylbenzene	ND	22	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Tetrachloroethene	ND	47	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Tetrahydrofuran	ND	920	4200	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
<b>Toluene</b>	<b>100</b>	33	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	J
trans-1,2-Dichloroethene	ND	37	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
trans-1,3-Dichloropropene	ND	36	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Trichloroethene	ND	34	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	
Vinyl chloride	ND	48	210	ug/kg dry	1	06/30/2020	06/30/2020 20:54	EPA 8260B	LC
Surrogate: Toluene-d8			72.5 %	61.9-110		06/30/2020	06/30/2020 20:54	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			73.9 %	59.1-115		06/30/2020	06/30/2020 20:54	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			66.6 %	80-120		06/30/2020	06/30/2020 20:54	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>26.3</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(11-12)-20200630**

**A202708-03 (Soil)**

**Date Sampled**  
**06/30/2020 13:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	10	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,1,1-Trichloroethane	ND	9.5	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.8	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,1,2-Trichloroethane	ND	8.2	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.3	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	LC
1,1-Dichloroethane	ND	12	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,1-Dichloroethene	ND	9.5	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	LC
1,1-Dichloropropene	ND	4.7	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.1	130	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2,3-Trichloropropane	ND	8.4	65	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.3	130	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.5	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.4	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2-Dichlorobenzene	ND	3.5	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2-Dichloroethane	ND	6.0	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,2-Dichloropropane	ND	10	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.1	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,3-Dichlorobenzene	ND	6.1	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,3-Dichloropropane	ND	6.0	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
1,4-Dichlorobenzene	ND	5.2	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
2,2-Dichloropropane	ND	13	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
<b>2-Butanone</b>	<b>230</b>	230	1300	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	J, HC
2-Chlorotoluene	ND	3.4	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
2-Hexanone	ND	38	1300	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
4-Chlorotoluene	ND	4.0	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
4-Methyl-2-pentanone	ND	51	1300	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Acetone	ND	190	1300	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	LC
Benzene	ND	2.1	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Bromobenzene	ND	6.6	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Bromochloromethane	ND	12	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Bromodichloromethane	ND	4.4	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Bromoform	ND	19	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Carbon disulfide	ND	3.0	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	LC
Carbon tetrachloride	ND	5.3	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Chlorobenzene	ND	4.8	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Chloroform	ND	4.9	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Chloromethane	ND	10	65	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.3	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Dibromochloromethane	ND	6.9	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Dibromomethane	ND	14	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Dichlorodifluoromethane	ND	6.6	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(11-12)-20200630**

Date Sampled  
**06/30/2020 13:35**

**A202708-03 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	18	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Ethylbenzene	ND	2.7	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Hexachlorobutadiene	ND	8.3	130	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Isopropylbenzene	ND	3.0	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
m,p-Xylene	ND	4.0	65	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Methyl t-Butyl Ether	ND	5.6	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Methylene chloride	ND	9.1	130	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
<b>Naphthalene</b>	<b>17</b>	4.9	320	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	B, J
n-Butyl Benzene	ND	4.2	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
n-Propyl Benzene	ND	4.4	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
o-Xylene	ND	3.9	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
p-Isopropyltoluene	ND	3.6	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
sec-Butyl Benzene	ND	3.1	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Styrene	ND	5.2	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
tert-Butylbenzene	ND	3.5	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Tetrachloroethene	ND	7.4	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Tetrahydrofuran	ND	140	650	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Toluene	ND	5.2	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.8	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.6	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Trichloroethene	ND	5.3	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	
Vinyl chloride	ND	7.5	32	ug/kg dry	1	06/30/2020	06/30/2020 21:19	EPA 8260B	LC
Surrogate: Toluene-d8			102 %	61.9-110		06/30/2020	06/30/2020 21:19	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			109 %	59.1-115		06/30/2020	06/30/2020 21:19	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			99.6 %	80-120		06/30/2020	06/30/2020 21:19	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>75.7</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(13-14)-20200630**

**A202708-04 (Soil)**

**Date Sampled**  
**06/30/2020 13:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	6.0	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,1,1-Trichloroethane	ND	5.7	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	4.7	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,1,2-Trichloroethane	ND	4.9	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	3.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	LC
1,1-Dichloroethane	ND	7.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,1-Dichloroethene	ND	5.7	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	LC
1,1-Dichloropropene	ND	2.8	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.3	78	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2,3-Trichloropropane	ND	5.1	39	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2,4-Trichlorobenzene	ND	5.0	78	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.7	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	8.5	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	3.8	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2-Dichlorobenzene	ND	2.1	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2-Dichloroethane	ND	3.6	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,2-Dichloropropane	ND	6.0	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.9	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,3-Dichlorobenzene	ND	3.7	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,3-Dichloropropane	ND	3.6	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
1,4-Dichlorobenzene	ND	3.1	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
2,2-Dichloropropane	ND	7.8	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
2-Butanone	ND	140	780	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
2-Chlorotoluene	ND	2.0	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
2-Hexanone	ND	23	780	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
4-Chlorotoluene	ND	2.4	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
4-Methyl-2-pentanone	ND	30	780	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Acetone	ND	120	780	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	LC
Benzene	ND	1.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Bromobenzene	ND	4.0	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Bromochloromethane	ND	7.5	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Bromodichloromethane	ND	2.6	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Bromoform	ND	12	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Carbon disulfide	ND	1.8	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	LC
Carbon tetrachloride	ND	3.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Chlorobenzene	ND	2.9	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Chloroform	ND	3.0	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Chloromethane	ND	6.1	39	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
cis-1,2-Dichloroethene	ND	6.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
cis-1,3-Dichloropropene	ND	4.4	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Dibromochloromethane	ND	4.1	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Dibromomethane	ND	8.5	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Dichlorodifluoromethane	ND	4.0	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-9(13-14)-20200630**

Date Sampled  
**06/30/2020 13:40**

**A202708-04 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	11	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Ethylbenzene	ND	1.6	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Hexachlorobutadiene	ND	5.0	78	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Isopropylbenzene	ND	1.8	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
m,p-Xylene	ND	2.4	39	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Methyl t-Butyl Ether	ND	3.3	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Methylene chloride	ND	5.4	78	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
<b>Naphthalene</b>	<b>42</b>	3.0	190	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	B, J
n-Butyl Benzene	ND	2.5	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
n-Propyl Benzene	ND	2.6	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
o-Xylene	ND	2.3	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
p-Isopropyltoluene	ND	2.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
sec-Butyl Benzene	ND	1.9	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Styrene	ND	3.1	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
tert-Butylbenzene	ND	2.1	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Tetrachloroethene	ND	4.4	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Tetrahydrofuran	ND	85	390	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Toluene	ND	3.1	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
trans-1,2-Dichloroethene	ND	3.5	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
trans-1,3-Dichloropropene	ND	3.3	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Trichloroethene	ND	3.2	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	
Vinyl chloride	ND	4.5	19	ug/kg dry	1	06/30/2020	06/30/2020 21:44	EPA 8260B	LC
Surrogate: Toluene-d8			122 %	61.9-110		06/30/2020	06/30/2020 21:44	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			127 %	59.1-115		06/30/2020	06/30/2020 21:44	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			117 %	80-120		06/30/2020	06/30/2020 21:44	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>72.6</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(3-4)-20200630**

**A202708-05 (Soil)**

**Date Sampled**  
**06/30/2020 14:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	20	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,1,1-Trichloroethane	ND	19	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	16	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,1,2-Trichloroethane	ND	16	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	11	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	LC
1,1-Dichloroethane	ND	24	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,1-Dichloroethene	ND	19	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	LC
1,1-Dichloropropene	ND	9.3	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2,3-Trichlorobenzene	ND	14	260	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2,3-Trichloropropane	ND	17	130	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2,4-Trichlorobenzene	ND	17	260	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2,4-Trimethylbenzene	ND	9.1	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	29	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2-Dichlorobenzene	ND	7.0	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2-Dichloroethane	ND	12	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,2-Dichloropropane	ND	20	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,3,5-Trimethylbenzene	ND	6.2	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,3-Dichlorobenzene	ND	12	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,3-Dichloropropane	ND	12	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
1,4-Dichlorobenzene	ND	10	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
2,2-Dichloropropane	ND	26	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
2-Butanone	ND	470	2600	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
2-Chlorotoluene	ND	6.7	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
2-Hexanone	ND	75	2600	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
4-Chlorotoluene	ND	8.0	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
4-Methyl-2-pentanone	ND	100	2600	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Acetone	ND	390	2600	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	LC
Benzene	ND	4.2	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Bromobenzene	ND	13	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Bromochloromethane	ND	25	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Bromodichloromethane	ND	8.8	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Bromoform	ND	39	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Carbon disulfide	ND	6.0	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	LC
Carbon tetrachloride	ND	11	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Chlorobenzene	ND	9.6	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Chloroform	ND	9.9	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Chloromethane	ND	20	130	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
cis-1,2-Dichloroethene	ND	21	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
cis-1,3-Dichloropropene	ND	15	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Dibromochloromethane	ND	14	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Dibromomethane	ND	29	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Dichlorodifluoromethane	ND	13	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(3-4)-20200630**

**A202708-05 (Soil)**

**Date Sampled**  
**06/30/2020 14:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	36	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Ethylbenzene	ND	5.4	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Hexachlorobutadiene	ND	17	260	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Isopropylbenzene	ND	6.0	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
<b>m,p-Xylene</b>	<b>16</b>	8.0	130	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	J
Methyl t-Butyl Ether	ND	11	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Methylene chloride	ND	18	260	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
<b>Naphthalene</b>	<b>14</b>	9.9	650	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	B, J
n-Butyl Benzene	ND	8.3	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
n-Propyl Benzene	ND	8.8	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
o-Xylene	ND	7.8	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
p-Isopropyltoluene	ND	7.3	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
sec-Butyl Benzene	ND	6.2	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Styrene	ND	10	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
tert-Butylbenzene	ND	7.0	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Tetrachloroethene	ND	15	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Tetrahydrofuran	ND	290	1300	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Toluene	ND	10	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
trans-1,2-Dichloroethene	ND	12	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
trans-1,3-Dichloropropene	ND	11	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Trichloroethene	ND	11	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	
Vinyl chloride	ND	15	65	ug/kg dry	1	06/30/2020	06/30/2020 22:09	EPA 8260B	LC

Surrogate: Toluene-d8

95.7 % 61.9-110

06/30/2020 06/30/2020 22:09

EPA 8260B

Surrogate: 4-Bromofluorobenzene

101 % 59.1-115

06/30/2020 06/30/2020 22:09

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

90.1 % 80-120

06/30/2020 06/30/2020 22:09

EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>77.1</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(4-5)-20200630**

**A202708-06 (Soil)**

**Date Sampled**  
**06/30/2020 14:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	20	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,1,1-Trichloroethane	ND	19	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	15	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,1,2-Trichloroethane	ND	16	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	10	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	LC
1,1-Dichloroethane	ND	24	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,1-Dichloroethene	ND	19	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	LC
1,1-Dichloropropene	ND	9.1	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	14	250	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2,3-Trichloropropane	ND	16	130	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2,4-Trichlorobenzene	ND	16	250	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.9	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	28	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	12	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2-Dichlorobenzene	ND	6.8	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2-Dichloroethane	ND	12	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,2-Dichloropropane	ND	20	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	6.1	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,3-Dichlorobenzene	ND	12	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,3-Dichloropropane	ND	12	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
1,4-Dichlorobenzene	ND	10	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
2,2-Dichloropropane	ND	25	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
2-Butanone	ND	460	2500	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
2-Chlorotoluene	ND	6.6	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
2-Hexanone	ND	74	2500	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
4-Chlorotoluene	ND	7.9	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
4-Methyl-2-pentanone	ND	99	2500	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Acetone	ND	380	2500	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	LC
Benzene	ND	4.1	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Bromobenzene	ND	13	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Bromochloromethane	ND	24	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Bromodichloromethane	ND	8.6	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Bromoform	ND	38	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Carbon disulfide	ND	5.8	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	LC
Carbon tetrachloride	ND	10	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Chlorobenzene	ND	9.4	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Chloroform	ND	9.6	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Chloromethane	ND	20	130	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
cis-1,2-Dichloroethene	ND	20	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
cis-1,3-Dichloropropene	ND	14	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Dibromochloromethane	ND	13	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Dibromomethane	ND	28	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Dichlorodifluoromethane	ND	13	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(4-5)-20200630**

**A202708-06 (Soil)**

**Date Sampled**  
**06/30/2020 14:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	67	36	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Ethylbenzene	ND	5.3	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Hexachlorobutadiene	ND	16	250	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Isopropylbenzene	ND	5.8	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
<b>m,p-Xylene</b>	<b>15</b>	7.9	130	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	J
Methyl t-Butyl Ether	ND	11	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Methylene chloride	ND	18	250	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Naphthalene	ND	9.6	630	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
n-Butyl Benzene	ND	8.1	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
n-Propyl Benzene	ND	8.6	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
o-Xylene	ND	7.6	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
p-Isopropyltoluene	ND	7.1	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
sec-Butyl Benzene	ND	6.1	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Styrene	ND	10	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
tert-Butylbenzene	ND	6.8	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Tetrachloroethene	ND	14	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Tetrahydrofuran	ND	280	1300	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Toluene	ND	10	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
trans-1,3-Dichloropropene	ND	11	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Trichloroethene	ND	10	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	
Vinyl chloride	ND	15	63	ug/kg dry	1	06/30/2020	06/30/2020 22:34	EPA 8260B	LC
Surrogate: Toluene-d8			96.0 %	61.9-110		06/30/2020	06/30/2020 22:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			103 %	59.1-115		06/30/2020	06/30/2020 22:34	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			92.4 %	80-120		06/30/2020	06/30/2020 22:34	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>73.8</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(7-8)-20200630**

**A202708-07 (Soil)**

**Date Sampled**  
**06/30/2020 14:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	63	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,1,1-Trichloroethane	ND	60	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	49	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,1,2-Trichloroethane	ND	51	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	33	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	LC
1,1-Dichloroethane	ND	76	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,1-Dichloroethene	ND	60	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	LC
1,1-Dichloropropene	ND	29	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2,3-Trichlorobenzene	ND	45	820	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2,3-Trichloropropane	ND	53	410	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2,4-Trichlorobenzene	ND	52	820	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2,4-Trimethylbenzene	ND	29	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	90	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	40	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2-Dichlorobenzene	ND	22	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2-Dichloroethane	ND	38	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,2-Dichloropropane	ND	63	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,3,5-Trimethylbenzene	ND	20	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,3-Dichlorobenzene	ND	38	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,3-Dichloropropane	ND	38	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
1,4-Dichlorobenzene	ND	33	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
2,2-Dichloropropane	ND	82	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
2-Butanone	ND	1500	8200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
2-Chlorotoluene	ND	21	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
2-Hexanone	ND	240	8200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
4-Chlorotoluene	ND	25	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
4-Methyl-2-pentanone	ND	320	8200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Acetone	ND	1200	8200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	LC
Benzene	ND	13	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Bromobenzene	ND	42	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Bromochloromethane	ND	78	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Bromodichloromethane	ND	28	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Bromoform	ND	120	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Carbon disulfide	ND	19	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	LC
Carbon tetrachloride	ND	33	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Chlorobenzene	ND	30	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Chloroform	ND	31	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Chloromethane	ND	65	410	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
cis-1,2-Dichloroethene	ND	65	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
cis-1,3-Dichloropropene	ND	46	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Dibromochloromethane	ND	43	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Dibromomethane	ND	90	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Dichlorodifluoromethane	ND	42	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(7-8)-20200630**

Date Sampled  
**06/30/2020 14:35**

**A202708-07 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	110	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Ethylbenzene	ND	17	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Hexachlorobutadiene	ND	52	820	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Isopropylbenzene	ND	19	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
m,p-Xylene	ND	25	410	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Methyl t-Butyl Ether	ND	35	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Methylene chloride	ND	57	820	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Naphthalene	ND	31	2000	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
n-Butyl Benzene	ND	26	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
n-Propyl Benzene	ND	28	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
o-Xylene	ND	25	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
p-Isopropyltoluene	ND	23	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
sec-Butyl Benzene	ND	20	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Styrene	ND	33	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
tert-Butylbenzene	ND	22	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Tetrachloroethene	ND	47	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Tetrahydrofuran	ND	900	4100	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
<b>Toluene</b>	<b>65</b>	33	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	J
trans-1,2-Dichloroethene	ND	37	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
trans-1,3-Dichloropropene	ND	35	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Trichloroethene	ND	33	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	
Vinyl chloride	ND	47	200	ug/kg dry	1	06/30/2020	06/30/2020 22:58	EPA 8260B	LC
Surrogate: Toluene-d8			90.1 %	61.9-110		06/30/2020	06/30/2020 22:58	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			92.8 %	59.1-115		06/30/2020	06/30/2020 22:58	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			83.6 %	80-120		06/30/2020	06/30/2020 22:58	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>23.9</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(11-12)-20200630**

**A202708-08 (Soil)**

**Date Sampled**  
**06/30/2020 14:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,1,1-Trichloroethane	ND	8.6	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,1,2-Trichloroethane	ND	7.4	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	LC
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,1-Dichloroethene	ND	8.6	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	LC
1,1-Dichloropropene	ND	4.3	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.5	120	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2,3-Trichloropropane	ND	7.7	59	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.6	120	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2-Dichlorobenzene	ND	3.2	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2-Dichloroethane	ND	5.4	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,2-Dichloropropane	ND	9.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,3-Dichlorobenzene	ND	5.6	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,3-Dichloropropane	ND	5.4	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
1,4-Dichlorobenzene	ND	4.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
2-Chlorotoluene	ND	3.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
4-Chlorotoluene	ND	3.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
4-Methyl-2-pentanone	ND	46	1200	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	LC
Benzene	ND	1.9	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Bromobenzene	ND	6.0	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Bromochloromethane	ND	11	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Bromodichloromethane	ND	4.0	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Carbon disulfide	ND	2.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	LC
Carbon tetrachloride	ND	4.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Chlorobenzene	ND	4.4	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Chloroform	ND	4.5	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Chloromethane	ND	9.3	59	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.5	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.6	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Dibromochloromethane	ND	6.3	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Dichlorodifluoromethane	ND	6.0	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-10(11-12)-20200630**

**A202708-08 (Soil)**

**Date Sampled**  
**06/30/2020 14:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	17	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Ethylbenzene	ND	2.5	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Hexachlorobutadiene	ND	7.6	120	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Isopropylbenzene	ND	2.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
m,p-Xylene	ND	3.7	59	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Methyl t-Butyl Ether	ND	5.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Methylene chloride	ND	8.3	120	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Naphthalene	ND	4.5	300	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
n-Butyl Benzene	ND	3.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
n-Propyl Benzene	ND	4.0	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
o-Xylene	ND	3.5	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
p-Isopropyltoluene	ND	3.3	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
sec-Butyl Benzene	ND	2.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Styrene	ND	4.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
tert-Butylbenzene	ND	3.2	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Tetrachloroethene	ND	6.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Tetrahydrofuran	ND	130	590	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Toluene	ND	4.7	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.3	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.1	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Trichloroethene	ND	4.8	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	
Vinyl chloride	ND	6.9	30	ug/kg dry	1	06/30/2020	06/30/2020 23:23	EPA 8260B	LC
Surrogate: Toluene-d8			97.0 %	61.9-110		06/30/2020	06/30/2020 23:23	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			102 %	59.1-115		06/30/2020	06/30/2020 23:23	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			92.0 %	80-120		06/30/2020	06/30/2020 23:23	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

% Solids	77.6		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
----------	------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(2-3)-20200630**

**A202708-09 (Soil)**

**Date Sampled**  
**06/30/2020 15:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	10	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,1-Trichloroethane	ND	9.6	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.9	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,2-Trichloroethane	ND	8.3	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.4	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1-Dichloroethane	ND	12	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1-Dichloroethene	ND	9.6	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1-Dichloropropene	ND	4.7	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.2	130	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,3-Trichloropropane	ND	8.5	66	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.4	130	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.6	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.4	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dichlorobenzene	ND	3.6	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>760</b>	6.0	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dichloropropane	ND	10	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.2	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,3-Dichlorobenzene	ND	6.2	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,3-Dichloropropane	ND	6.0	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,4-Dichlorobenzene	ND	5.3	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
2,2-Dichloropropane	ND	13	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
2-Butanone	ND	240	1300	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
2-Chlorotoluene	ND	3.4	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
2-Hexanone	ND	38	1300	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
4-Chlorotoluene	ND	4.1	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
4-Methyl-2-pentanone	ND	51	1300	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Acetone	ND	200	1300	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Benzene	ND	2.1	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromobenzene	ND	6.7	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromochloromethane	ND	13	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromodichloromethane	ND	4.5	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromoform	ND	20	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Carbon disulfide	ND	3.0	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Carbon tetrachloride	ND	5.4	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Chlorobenzene	ND	4.9	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Chloroform	ND	5.0	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Chloromethane	ND	10	66	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.4	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Dibromochloromethane	ND	7.0	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Dibromomethane	ND	14	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Dichlorodifluoromethane	ND	6.7	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(2-3)-20200630**

**A202708-09 (Soil)**

**Date Sampled**  
**06/30/2020 15:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	18	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Ethylbenzene	ND	2.8	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Hexachlorobutadiene	ND	8.4	130	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Isopropylbenzene	ND	3.0	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
m,p-Xylene	ND	4.1	66	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Methyl t-Butyl Ether	ND	5.7	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Methylene chloride	ND	9.2	130	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
<b>Naphthalene</b>	<b>7.9</b>	5.0	330	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	B, J
n-Butyl Benzene	ND	4.2	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
n-Propyl Benzene	ND	4.5	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
o-Xylene	ND	3.9	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
p-Isopropyltoluene	ND	3.7	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
sec-Butyl Benzene	ND	3.2	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Styrene	ND	5.3	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
tert-Butylbenzene	ND	3.6	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Tetrachloroethene	ND	7.5	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Tetrahydrofuran	ND	140	660	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Toluene	ND	5.3	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.9	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.7	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Trichloroethene	ND	5.4	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	
Vinyl chloride	ND	7.6	33	ug/kg dry	1	06/30/2020	07/01/2020 00:38	EPA 8260B	

Surrogate: Toluene-d8			93.9 %	61.9-110		06/30/2020	07/01/2020 00:38	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			99.4 %	59.1-115		06/30/2020	07/01/2020 00:38	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			87.9 %	80-120		06/30/2020	07/01/2020 00:38	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>82.5</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(6-7)-20200630**

**A202708-10 (Soil)**

**Date Sampled**  
**06/30/2020 15:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	64	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1,1-Trichloroethane	ND	61	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	50	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1,2-Trichloroethane	ND	52	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	34	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1-Dichloroethane	ND	77	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1-Dichloroethene	ND	61	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,1-Dichloropropene	ND	30	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2,3-Trichlorobenzene	ND	46	830	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2,3-Trichloropropane	ND	54	420	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2,4-Trichlorobenzene	ND	53	830	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2,4-Trimethylbenzene	ND	29	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	91	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	41	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2-Dichlorobenzene	ND	22	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2-Dichloroethane	ND	38	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,2-Dichloropropane	ND	64	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,3,5-Trimethylbenzene	ND	20	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,3-Dichlorobenzene	ND	39	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,3-Dichloropropane	ND	38	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
1,4-Dichlorobenzene	ND	33	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
2,2-Dichloropropane	ND	83	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
<b>2-Butanone</b>	<b>1600</b>	1500	8300	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	HC, J
2-Chlorotoluene	ND	22	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
2-Hexanone	ND	240	8300	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
4-Chlorotoluene	ND	26	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
4-Methyl-2-pentanone	ND	320	8300	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Acetone	ND	1200	8300	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Benzene	ND	13	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Bromobenzene	ND	42	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Bromochloromethane	ND	80	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Bromodichloromethane	ND	28	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Bromoform	ND	120	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Carbon disulfide	ND	19	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Carbon tetrachloride	ND	34	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Chlorobenzene	ND	31	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Chloroform	ND	32	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Chloromethane	ND	66	420	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
cis-1,2-Dichloroethene	ND	67	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
cis-1,3-Dichloropropene	ND	47	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Dibromochloromethane	ND	44	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Dibromomethane	ND	91	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Dichlorodifluoromethane	ND	42	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(6-7)-20200630**

**A202708-10 (Soil)**

**Date Sampled**  
**06/30/2020 15:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006210**

Diisopropyl Ether	ND	120	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Ethylbenzene	ND	17	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Hexachlorobutadiene	ND	53	830	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Isopropylbenzene	ND	19	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
m,p-Xylene	ND	26	420	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Methyl t-Butyl Ether	ND	36	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Methylene chloride	ND	58	830	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Naphthalene	ND	32	2100	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
n-Butyl Benzene	ND	27	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
n-Propyl Benzene	ND	28	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
o-Xylene	ND	25	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
p-Isopropyltoluene	ND	23	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
sec-Butyl Benzene	ND	20	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Styrene	ND	33	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
tert-Butylbenzene	ND	22	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Tetrachloroethene	ND	47	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Tetrahydrofuran	ND	910	4200	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Toluene	ND	33	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
trans-1,2-Dichloroethene	ND	37	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
trans-1,3-Dichloropropene	ND	36	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Trichloroethene	ND	34	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Vinyl chloride	ND	48	210	ug/kg dry	1	06/30/2020	07/01/2020 01:03	EPA 8260B	
Surrogate: Toluene-d8			86.2 %	61.9-110		06/30/2020	07/01/2020 01:03	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			90.7 %	59.1-115		06/30/2020	07/01/2020 01:03	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			82.8 %	80-120		06/30/2020	07/01/2020 01:03	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006213**

<b>% Solids</b>	<b>24.0</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(9-10)-20200630**

**A202708-11 (Soil)**

**Date Sampled**  
**06/30/2020 15:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	16	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1,1-Trichloroethane	ND	15	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	13	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1,2-Trichloroethane	ND	13	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	8.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1-Dichloroethane	ND	19	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1-Dichloroethene	ND	15	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,1-Dichloropropene	ND	7.5	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2,3-Trichlorobenzene	ND	12	210	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2,3-Trichloropropane	ND	14	100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2,4-Trichlorobenzene	ND	13	210	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2,4-Trimethylbenzene	ND	7.3	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	23	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	10	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2-Dichlorobenzene	ND	5.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2-Dichloroethane	ND	9.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,2-Dichloropropane	ND	16	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.0	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,3-Dichlorobenzene	ND	9.8	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,3-Dichloropropane	ND	9.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
1,4-Dichlorobenzene	ND	8.4	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
2,2-Dichloropropane	ND	21	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
2-Butanone	ND	380	2100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
2-Chlorotoluene	ND	5.4	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
2-Hexanone	ND	61	2100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
4-Chlorotoluene	ND	6.5	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
4-Methyl-2-pentanone	ND	82	2100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Acetone	ND	310	2100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Benzene	ND	3.3	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Bromobenzene	ND	11	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Bromochloromethane	ND	20	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Bromodichloromethane	ND	7.1	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Bromoform	ND	31	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Carbon disulfide	ND	4.8	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Carbon tetrachloride	ND	8.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Chlorobenzene	ND	7.7	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Chloroform	ND	7.9	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Chloromethane	ND	17	100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
cis-1,2-Dichloroethene	ND	17	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
cis-1,3-Dichloropropene	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Dibromochloromethane	ND	11	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Dibromomethane	ND	23	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Dichlorodifluoromethane	ND	11	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(9-10)-20200630**

**A202708-11 (Soil)**

**Date Sampled**  
**06/30/2020 15:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	29	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Ethylbenzene	ND	4.4	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Hexachlorobutadiene	ND	13	210	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Isopropylbenzene	ND	4.8	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
m,p-Xylene	ND	6.5	100	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Methyl t-Butyl Ether	ND	9.0	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Methylene chloride	ND	15	210	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Naphthalene	ND	7.9	520	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
n-Butyl Benzene	ND	6.7	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
n-Propyl Benzene	ND	7.1	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
o-Xylene	ND	6.3	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
p-Isopropyltoluene	ND	5.9	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
sec-Butyl Benzene	ND	5.0	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Styrene	ND	8.4	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
tert-Butylbenzene	ND	5.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Tetrachloroethene	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Tetrahydrofuran	ND	230	1000	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Toluene	ND	8.4	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
trans-1,2-Dichloroethene	ND	9.4	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
trans-1,3-Dichloropropene	ND	9.0	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Trichloroethene	ND	8.6	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Vinyl chloride	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 01:27	EPA 8260B	
Surrogate: Toluene-d8			102 %	61.9-110		06/30/2020	07/01/2020 01:27	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			110 %	59.1-115		06/30/2020	07/01/2020 01:27	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			101 %	80-120		06/30/2020	07/01/2020 01:27	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>56.3</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(12-13)-20200630**

**A202708-12 (Soil)**

**Date Sampled**  
**06/30/2020 15:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.7	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1,1-Trichloroethane	ND	9.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.6	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1,2-Trichloroethane	ND	7.9	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1-Dichloroethane	ND	12	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1-Dichloroethene	ND	9.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,1-Dichloropropene	ND	4.5	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.9	130	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2,3-Trichloropropane	ND	8.2	63	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2,4-Trichlorobenzene	ND	8.1	130	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2-Dichlorobenzene	ND	3.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2-Dichloroethane	ND	5.8	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,2-Dichloropropane	ND	9.7	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,3-Dichlorobenzene	ND	5.9	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,3-Dichloropropane	ND	5.8	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
1,4-Dichlorobenzene	ND	5.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
2,2-Dichloropropane	ND	13	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
2-Butanone	ND	230	1300	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
2-Chlorotoluene	ND	3.3	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
2-Hexanone	ND	37	1300	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
4-Chlorotoluene	ND	3.9	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
4-Methyl-2-pentanone	ND	49	1300	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Acetone	ND	190	1300	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Benzene	ND	2.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Bromobenzene	ND	6.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Bromochloromethane	ND	12	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Bromodichloromethane	ND	4.3	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Bromoform	ND	19	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Carbon disulfide	ND	2.9	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Carbon tetrachloride	ND	5.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Chlorobenzene	ND	4.7	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Chloroform	ND	4.8	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Chloromethane	ND	9.9	63	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.1	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Dibromochloromethane	ND	6.7	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Dibromomethane	ND	14	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Dichlorodifluoromethane	ND	6.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-11(12-13)-20200630**

**A202708-12 (Soil)**

**Date Sampled**  
**06/30/2020 15:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	18	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Ethylbenzene	ND	2.6	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Hexachlorobutadiene	ND	8.1	130	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Isopropylbenzene	ND	2.9	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
m,p-Xylene	ND	3.9	63	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Methyl t-Butyl Ether	ND	5.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
<b>Methylene chloride</b>	<b>8.8</b>	8.8	130	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	J
Naphthalene	ND	4.8	310	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
n-Butyl Benzene	ND	4.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
n-Propyl Benzene	ND	4.3	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
o-Xylene	ND	3.8	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
p-Isopropyltoluene	ND	3.5	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
sec-Butyl Benzene	ND	3.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Styrene	ND	5.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
tert-Butylbenzene	ND	3.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Tetrachloroethene	ND	7.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Tetrahydrofuran	ND	140	630	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Toluene	ND	5.0	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.7	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.4	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Trichloroethene	ND	5.2	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	
Vinyl chloride	ND	7.3	31	ug/kg dry	1	06/30/2020	07/01/2020 01:52	EPA 8260B	

Surrogate: Toluene-d8

94.0 % 61.9-110

06/30/2020 07/01/2020 01:52 EPA 8260B

Surrogate: 4-Bromofluorobenzene

99.7 % 59.1-115

06/30/2020 07/01/2020 01:52 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

90.7 % 80-120

06/30/2020 07/01/2020 01:52 EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>78.3</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-12(0-1)-20200630**

Date Sampled  
**06/30/2020 15:50**

**A202708-13 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1,1-Trichloroethane	ND	11	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1,2-Trichloroethane	ND	9.7	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.3	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1-Dichloroethane	ND	14	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1-Dichloroethene	ND	11	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,1-Dichloropropene	ND	5.5	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.5	150	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2,3-Trichloropropane	ND	10	77	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2,4-Trichlorobenzene	ND	9.9	150	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.4	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	17	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.5	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2-Dichlorobenzene	ND	4.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2-Dichloroethane	ND	7.1	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,2-Dichloropropane	ND	12	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.7	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,3-Dichlorobenzene	ND	7.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,3-Dichloropropane	ND	7.1	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
1,4-Dichlorobenzene	ND	6.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
2,2-Dichloropropane	ND	15	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
2-Butanone	ND	280	1500	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
2-Chlorotoluene	ND	4.0	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
2-Hexanone	ND	45	1500	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
4-Chlorotoluene	ND	4.8	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
4-Methyl-2-pentanone	ND	60	1500	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Acetone	ND	230	1500	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Benzene	ND	2.5	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Bromobenzene	ND	7.9	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Bromochloromethane	ND	15	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Bromodichloromethane	ND	5.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Bromoform	ND	23	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Carbon disulfide	ND	3.5	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Carbon tetrachloride	ND	6.3	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Chlorobenzene	ND	5.7	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Chloroform	ND	5.9	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Chloromethane	ND	12	77	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.6	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Dibromochloromethane	ND	8.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Dibromomethane	ND	17	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Dichlorodifluoromethane	ND	7.9	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-12(0-1)-20200630**

**A202708-13 (Soil)**

**Date Sampled**  
**06/30/2020 15:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	22	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Ethylbenzene	ND	3.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Hexachlorobutadiene	ND	9.9	150	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Isopropylbenzene	ND	3.5	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
m,p-Xylene	ND	4.8	77	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Methyl t-Butyl Ether	ND	6.6	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Methylene chloride	ND	11	150	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Naphthalene	ND	5.9	390	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
n-Butyl Benzene	ND	4.9	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
n-Propyl Benzene	ND	5.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
o-Xylene	ND	4.6	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
p-Isopropyltoluene	ND	4.3	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
sec-Butyl Benzene	ND	3.7	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Styrene	ND	6.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
tert-Butylbenzene	ND	4.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Tetrachloroethene	ND	8.8	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Tetrahydrofuran	ND	170	770	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Toluene	ND	6.2	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.9	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.6	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Trichloroethene	ND	6.3	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Vinyl chloride	ND	8.9	39	ug/kg dry	1	06/30/2020	07/01/2020 02:16	EPA 8260B	
Surrogate: Toluene-d8			93.7 %	61.9-110		06/30/2020	07/01/2020 02:16	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			100 %	59.1-115		06/30/2020	07/01/2020 02:16	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			90.6 %	80-120		06/30/2020	07/01/2020 02:16	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>86.6</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-12(4-5)-20200630**

**A202708-14 (Soil)**

**Date Sampled**  
**06/30/2020 15:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

1,1,1,2-Tetrachloroethane	ND	8.0	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1,1-Trichloroethane	ND	7.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	6.2	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1,2-Trichloroethane	ND	6.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.2	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1-Dichloroethane	ND	9.6	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1-Dichloroethene	ND	7.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,1-Dichloropropene	ND	3.7	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.7	100	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2,3-Trichloropropane	ND	6.7	52	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2,4-Trichlorobenzene	ND	6.6	100	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.6	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	11	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.1	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2-Dichlorobenzene	ND	2.8	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2-Dichloroethane	ND	4.8	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,2-Dichloropropane	ND	8.0	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,3-Dichlorobenzene	ND	4.9	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,3-Dichloropropane	ND	4.8	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
1,4-Dichlorobenzene	ND	4.1	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
2,2-Dichloropropane	ND	10	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
2-Butanone	ND	190	1000	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
2-Chlorotoluene	ND	2.7	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
2-Hexanone	ND	30	1000	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
4-Chlorotoluene	ND	3.2	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
4-Methyl-2-pentanone	ND	40	1000	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Acetone	ND	150	1000	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Benzene	ND	1.7	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Bromobenzene	ND	5.3	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Bromochloromethane	ND	9.9	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Bromodichloromethane	ND	3.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Bromoform	ND	15	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Carbon disulfide	ND	2.4	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Carbon tetrachloride	ND	4.2	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Chlorobenzene	ND	3.8	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Chloroform	ND	3.9	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Chloromethane	ND	8.2	52	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
cis-1,2-Dichloroethene	ND	8.3	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
cis-1,3-Dichloropropene	ND	5.8	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Dibromochloromethane	ND	5.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Dibromomethane	ND	11	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Dichlorodifluoromethane	ND	5.3	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-12(4-5)-20200630**

Date Sampled

**A202708-14 (Soil)**

**06/30/2020 15:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	14	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Ethylbenzene	ND	2.2	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Hexachlorobutadiene	ND	6.6	100	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Isopropylbenzene	ND	2.4	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
m,p-Xylene	ND	3.2	52	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Methyl t-Butyl Ether	ND	4.4	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Methylene chloride	ND	7.2	100	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Naphthalene	ND	3.9	260	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
n-Butyl Benzene	ND	3.3	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
n-Propyl Benzene	ND	3.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
o-Xylene	ND	3.1	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
p-Isopropyltoluene	ND	2.9	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
sec-Butyl Benzene	ND	2.5	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Styrene	ND	4.1	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
tert-Butylbenzene	ND	2.8	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Tetrachloroethene	ND	5.9	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Tetrahydrofuran	ND	110	520	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Toluene	ND	4.1	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
trans-1,2-Dichloroethene	ND	4.6	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
trans-1,3-Dichloropropene	ND	4.4	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Trichloroethene	ND	4.2	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Vinyl chloride	ND	6.0	26	ug/kg dry	1	06/30/2020	07/01/2020 02:41	EPA 8260B	
Surrogate: Toluene-d8			108 %	61.9-110		06/30/2020	07/01/2020 02:41	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			117 %	59.1-115		06/30/2020	07/01/2020 02:41	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			101 %	80-120		06/30/2020	07/01/2020 02:41	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>88.4</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-12(10-11)-20200630**

**A202708-15 (Soil)**

**Date Sampled**  
**06/30/2020 16:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1,1-Trichloroethane	ND	8.6	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1,2-Trichloroethane	ND	7.4	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1-Dichloroethene	ND	8.6	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,1-Dichloropropene	ND	4.3	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.5	120	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2,3-Trichloropropane	ND	7.7	59	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.6	120	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2-Dichlorobenzene	ND	3.2	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2-Dichloroethane	ND	5.4	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,2-Dichloropropane	ND	9.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,3-Dichlorobenzene	ND	5.5	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,3-Dichloropropane	ND	5.4	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
1,4-Dichlorobenzene	ND	4.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
2-Chlorotoluene	ND	3.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
4-Chlorotoluene	ND	3.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
4-Methyl-2-pentanone	ND	46	1200	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Benzene	ND	1.9	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Bromobenzene	ND	6.0	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Bromochloromethane	ND	11	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Bromodichloromethane	ND	4.0	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Carbon disulfide	ND	2.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Carbon tetrachloride	ND	4.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Chlorobenzene	ND	4.4	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Chloroform	ND	4.5	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Chloromethane	ND	9.3	59	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.4	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.6	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Dibromochloromethane	ND	6.3	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Dichlorodifluoromethane	ND	6.0	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-12(10-11)-20200630**

**A202708-15 (Soil)**

**Date Sampled**  
**06/30/2020 16:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	17	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Ethylbenzene	ND	2.5	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Hexachlorobutadiene	ND	7.6	120	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Isopropylbenzene	ND	2.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
m,p-Xylene	ND	3.7	59	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Methyl t-Butyl Ether	ND	5.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Methylene chloride	ND	8.3	120	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Naphthalene	ND	4.5	300	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
n-Butyl Benzene	ND	3.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
n-Propyl Benzene	ND	4.0	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
o-Xylene	ND	3.5	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
p-Isopropyltoluene	ND	3.3	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
sec-Butyl Benzene	ND	2.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Styrene	ND	4.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
tert-Butylbenzene	ND	3.2	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Tetrachloroethene	ND	6.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Tetrahydrofuran	ND	130	590	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
Toluene	ND	4.7	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.3	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.1	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	
<b>Trichloroethene</b>	<b>7.7</b>	4.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	J
Vinyl chloride	ND	6.8	30	ug/kg dry	1	06/30/2020	07/01/2020 03:06	EPA 8260B	

Surrogate: Toluene-d8

97.2 % 61.9-110

06/30/2020 07/01/2020 03:06 EPA 8260B

Surrogate: 4-Bromofluorobenzene

104 % 59.1-115

06/30/2020 07/01/2020 03:06 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

93.9 % 80-120

06/30/2020 07/01/2020 03:06 EPA 8260B

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>79.3</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-2-20200630**

Date Sampled

**A202708-16 (Soil)**

**06/30/2020 00:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	16	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1,1-Trichloroethane	ND	15	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1,2-Trichloroethane	ND	13	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	8.5	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1-Dichloroethane	ND	19	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1-Dichloroethene	ND	15	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,1-Dichloropropene	ND	7.4	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2,3-Trichlorobenzene	ND	11	210	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2,3-Trichloropropane	ND	13	100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2,4-Trichlorobenzene	ND	13	210	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>44</b>	7.2	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	23	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	10	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2-Dichlorobenzene	ND	5.6	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2-Dichloroethane	ND	9.5	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,2-Dichloropropane	ND	16	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>1,3,5-Trimethylbenzene</b>	<b>18</b>	5.0	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	J
1,3-Dichlorobenzene	ND	9.7	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,3-Dichloropropane	ND	9.5	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
1,4-Dichlorobenzene	ND	8.3	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
2,2-Dichloropropane	ND	21	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
2-Butanone	ND	370	2100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
2-Chlorotoluene	ND	5.4	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
2-Hexanone	ND	60	2100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
4-Chlorotoluene	ND	6.4	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
4-Methyl-2-pentanone	ND	80	2100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Acetone	ND	310	2100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Benzene	ND	3.3	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Bromobenzene	ND	11	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Bromochloromethane	ND	20	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Bromodichloromethane	ND	7.0	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Bromoform	ND	31	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Carbon disulfide	ND	4.7	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Carbon tetrachloride	ND	8.5	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Chlorobenzene	ND	7.6	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Chloroform	ND	7.8	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Chloromethane	ND	16	100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
cis-1,2-Dichloroethene	ND	17	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
cis-1,3-Dichloropropene	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Dibromochloromethane	ND	11	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Dibromomethane	ND	23	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Dichlorodifluoromethane	ND	11	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-2-20200630**

Date Sampled  
**06/30/2020 00:00**

**A202708-16 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	29	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>Ethylbenzene</b>	<b>170</b>	4.3	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Hexachlorobutadiene	ND	13	210	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Isopropylbenzene	ND	4.7	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>m,p-Xylene</b>	<b>820</b>	6.4	100	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Methyl t-Butyl Ether	ND	8.9	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Methylene chloride	ND	14	210	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>Naphthalene</b>	<b>21</b>	7.8	520	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	J
n-Butyl Benzene	ND	6.6	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
n-Propyl Benzene	ND	7.0	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>o-Xylene</b>	<b>270</b>	6.2	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
p-Isopropyltoluene	ND	5.8	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
sec-Butyl Benzene	ND	5.0	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>Styrene</b>	<b>21</b>	8.3	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	J
tert-Butylbenzene	ND	5.6	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Tetrachloroethene	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Tetrahydrofuran	ND	230	1000	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
<b>Toluene</b>	<b>11</b>	8.3	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	J
trans-1,2-Dichloroethene	ND	9.3	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
trans-1,3-Dichloropropene	ND	8.9	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Trichloroethene	ND	8.5	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Vinyl chloride	ND	12	52	ug/kg dry	1	06/30/2020	07/01/2020 03:31	EPA 8260B	
Surrogate: Toluene-d8			100 %	61.9-110		06/30/2020	07/01/2020 03:31	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			110 %	59.1-115		06/30/2020	07/01/2020 03:31	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			96.3 %	80-120		06/30/2020	07/01/2020 03:31	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>75.8</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-3-20200630**

**A202708-17 (Soil)**

**Date Sampled**

**06/30/2020 00:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

1,1,1,2-Tetrachloroethane	ND	9.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1,1-Trichloroethane	ND	8.6	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1,2-Trichloroethane	ND	7.4	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1-Dichloroethane	ND	11	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1-Dichloroethene	ND	8.6	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,1-Dichloropropene	ND	4.2	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.5	120	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2,3-Trichloropropane	ND	7.6	59	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2,4-Trichlorobenzene	ND	7.5	120	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2-Dichlorobenzene	ND	3.2	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2-Dichloroethane	ND	5.4	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,2-Dichloropropane	ND	9.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,3-Dichlorobenzene	ND	5.5	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,3-Dichloropropane	ND	5.4	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
1,4-Dichlorobenzene	ND	4.7	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
2,2-Dichloropropane	ND	12	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
2-Chlorotoluene	ND	3.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
4-Chlorotoluene	ND	3.6	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
4-Methyl-2-pentanone	ND	46	1200	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Benzene	ND	1.9	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Bromobenzene	ND	6.0	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Bromochloromethane	ND	11	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Bromodichloromethane	ND	4.0	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Bromoform	ND	18	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Carbon disulfide	ND	2.7	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Carbon tetrachloride	ND	4.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Chlorobenzene	ND	4.4	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Chloroform	ND	4.5	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Chloromethane	ND	9.3	59	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.4	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.6	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Dibromochloromethane	ND	6.2	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Dibromomethane	ND	13	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Dichlorodifluoromethane	ND	6.0	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-3-20200630**

Date Sampled  
**06/30/2020 00:00**

**A202708-17 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006212**

Diisopropyl Ether	ND	16	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Ethylbenzene	ND	2.5	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Hexachlorobutadiene	ND	7.5	120	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Isopropylbenzene	ND	2.7	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
m,p-Xylene	ND	3.6	59	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Methyl t-Butyl Ether	ND	5.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Methylene chloride	ND	8.2	120	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Naphthalene	ND	4.5	290	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
n-Butyl Benzene	ND	3.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
n-Propyl Benzene	ND	4.0	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
o-Xylene	ND	3.5	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
p-Isopropyltoluene	ND	3.3	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
sec-Butyl Benzene	ND	2.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Styrene	ND	4.7	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
tert-Butylbenzene	ND	3.2	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Tetrachloroethene	ND	6.7	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Tetrahydrofuran	ND	130	590	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Toluene	ND	4.7	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.3	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.1	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Trichloroethene	ND	4.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Vinyl chloride	ND	6.8	29	ug/kg dry	1	06/30/2020	07/01/2020 06:48	EPA 8260B	
Surrogate: Toluene-d8			102 %	61.9-110		06/30/2020	07/01/2020 06:48	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			118 %	59.1-115		06/30/2020	07/01/2020 06:48	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			93.2 %	80-120		06/30/2020	07/01/2020 06:48	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A006214**

<b>% Solids</b>	<b>88.5</b>		0.00	% by Weight	1	06/30/2020	07/01/2020 07:50	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-95-100-20200630**

**A202708-18 (Water)**

**Date Sampled**  
**06/30/2020 15:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.99	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,2-Trichloroethane	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	1.3	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1-Dichloroethane	ND	1.2	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1-Dichloroethene	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,1-Dichloropropene	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.45	20	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,3-Trichloropropane	ND	1.5	10	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.77	20	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.60	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	2.5	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	1.3	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,2-Dichlorobenzene	ND	0.76	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>33</b>	0.78	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	D
1,2-Dichloropropane	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.75	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,3-Dichlorobenzene	ND	0.96	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,3-Dichloropropane	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
1,4-Dichlorobenzene	ND	0.70	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
2,2-Dichloropropane	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
2-Butanone	ND	30	200	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
2-Chlorotoluene	ND	0.75	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
2-Hexanone	ND	9.5	200	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
4-Chlorotoluene	ND	0.73	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
4-Methyl-2-pentanone	ND	7.7	200	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Acetone	ND	34	200	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Benzene	ND	0.89	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromobenzene	ND	0.84	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromochloromethane	ND	3.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromodichloromethane	ND	0.77	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Bromoform	ND	0.88	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Carbon disulfide	ND	0.53	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Carbon tetrachloride	ND	0.38	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Chlorobenzene	ND	0.73	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Chloroform	ND	0.62	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Chloromethane	ND	1.6	20	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
cis-1,2-Dichloroethene	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.61	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Dibromochloromethane	ND	0.91	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Dibromomethane	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Dichlorodifluoromethane	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-95-100-20200630**

**A202708-18 (Water)**

**Date Sampled**  
**06/30/2020 15:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Diisopropyl Ether	ND	1.5	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Ethylbenzene	ND	0.54	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Hexachlorobutadiene	ND	1.3	20	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Isopropylbenzene	ND	0.81	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
m,p-Xylene	ND	0.57	10	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Methyl t-Butyl Ether	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
<b>Methylene chloride</b>	<b>4.1</b>	1.4	20	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	J, D, B
Naphthalene	ND	0.88	50	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
n-Butyl Benzene	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
n-Propyl Benzene	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
o-Xylene	ND	0.58	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
p-Isopropyltoluene	ND	0.85	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
sec-Butyl Benzene	ND	1.3	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Styrene	ND	0.65	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
tert-Butylbenzene	ND	1.2	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Tetrachloroethene	ND	0.81	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Tetrahydrofuran	ND	12	100	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Toluene	ND	0.53	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.96	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Trichloroethene	ND	0.62	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	
Vinyl chloride	ND	1.6	5.0	ug/L	10	06/30/2020	07/01/2020 00:38	EPA 8260B	

Surrogate: Toluene-d8			100 %	82.5-107		06/30/2020	07/01/2020 00:38	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			96.2 %	78.3-109		06/30/2020	07/01/2020 00:38	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			96.1 %	80-120		06/30/2020	07/01/2020 00:38	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-90-95-20200630**

**A202708-19 (Water)**

**Date Sampled**  
**06/30/2020 14:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	110	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1,1-Trichloroethane	ND	100	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	99	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1,2-Trichloroethane	ND	100	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	130	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1-Dichloroethane	ND	120	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1-Dichloroethene	ND	140	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,1-Dichloropropene	ND	110	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2,3-Trichlorobenzene	ND	45	2000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2,3-Trichloropropane	ND	150	1000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2,4-Trichlorobenzene	ND	77	2000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2,4-Trimethylbenzene	ND	60	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	250	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	130	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,2-Dichlorobenzene	ND	76	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>1800</b>	78	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	D
1,2-Dichloropropane	ND	100	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,3,5-Trimethylbenzene	ND	75	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,3-Dichlorobenzene	ND	96	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,3-Dichloropropane	ND	110	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
1,4-Dichlorobenzene	ND	70	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
2,2-Dichloropropane	ND	140	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
2-Butanone	ND	3000	20000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
2-Chlorotoluene	ND	75	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
2-Hexanone	ND	950	20000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
4-Chlorotoluene	ND	73	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
4-Methyl-2-pentanone	ND	770	20000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Acetone	ND	3400	20000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Benzene	ND	89	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Bromobenzene	ND	84	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Bromochloromethane	ND	310	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Bromodichloromethane	ND	77	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Bromoform	ND	88	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Carbon disulfide	ND	53	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Carbon tetrachloride	ND	38	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Chlorobenzene	ND	73	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Chloroform	ND	62	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Chloromethane	ND	160	2000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>320</b>	110	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	J, D
cis-1,3-Dichloropropene	ND	61	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Dibromochloromethane	ND	91	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Dibromomethane	ND	140	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Dichlorodifluoromethane	ND	110	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-90-95-20200630**

**A202708-19 (Water)**

**Date Sampled**  
**06/30/2020 14:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Diisopropyl Ether	ND	150	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Ethylbenzene	ND	54	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Hexachlorobutadiene	ND	130	2000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Isopropylbenzene	ND	81	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
m,p-Xylene	ND	57	1000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Methyl t-Butyl Ether	ND	140	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
<b>Methylene chloride</b>	<b>440</b>	140	2000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	J, D, B
Naphthalene	ND	88	5000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
n-Butyl Benzene	ND	140	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
n-Propyl Benzene	ND	100	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
o-Xylene	ND	58	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
p-Isopropyltoluene	ND	85	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
sec-Butyl Benzene	ND	130	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Styrene	ND	65	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
tert-Butylbenzene	ND	120	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Tetrachloroethene	ND	81	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Tetrahydrofuran	ND	1200	10000	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Toluene	ND	53	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
trans-1,2-Dichloroethene	ND	110	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
trans-1,3-Dichloropropene	ND	96	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
Trichloroethene	ND	62	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	
<b>Vinyl chloride</b>	<b>1200</b>	160	500	ug/L	1000	06/30/2020	07/01/2020 01:05	EPA 8260B	D
Surrogate: Toluene-d8			102 %	82.5-107		06/30/2020	07/01/2020 01:05	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			97.1 %	78.3-109		06/30/2020	07/01/2020 01:05	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			96.7 %	80-120		06/30/2020	07/01/2020 01:05	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-IW-P3W-20200630**

**A202708-20 (Water)**

**Date Sampled**  
**06/30/2020 14:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1,1-Trichloroethane	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.99	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1,2-Trichloroethane	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	1.3	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1-Dichloroethane	ND	1.2	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1-Dichloroethene	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,1-Dichloropropene	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.45	20	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2,3-Trichloropropane	ND	1.5	10	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2,4-Trichlorobenzene	ND	0.77	20	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.60	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	2.5	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	1.3	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2-Dichlorobenzene	ND	0.76	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2-Dichloroethane	ND	0.78	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,2-Dichloropropane	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.75	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,3-Dichlorobenzene	ND	0.96	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,3-Dichloropropane	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
1,4-Dichlorobenzene	ND	0.70	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
2,2-Dichloropropane	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
2-Butanone	ND	30	200	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
2-Chlorotoluene	ND	0.75	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
2-Hexanone	ND	9.5	200	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
4-Chlorotoluene	ND	0.73	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
4-Methyl-2-pentanone	ND	7.7	200	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Acetone	ND	34	200	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Benzene	ND	0.89	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Bromobenzene	ND	0.84	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Bromochloromethane	ND	3.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
<b>Bromodichloromethane</b>	<b>2.3</b>	0.77	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	J, D
Bromoform	ND	0.88	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Carbon disulfide	ND	0.53	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Carbon tetrachloride	ND	0.38	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Chlorobenzene	ND	0.73	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Chloroform	ND	0.62	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Chloromethane	ND	1.6	20	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
cis-1,2-Dichloroethene	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.61	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
<b>Dibromochloromethane</b>	<b>1.6</b>	0.91	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	J, D
Dibromomethane	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Dichlorodifluoromethane	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-IW-P3W-20200630**

**A202708-20 (Water)**

**Date Sampled**  
**06/30/2020 14:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A006211**

Diisopropyl Ether	ND	1.5	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Ethylbenzene	ND	0.54	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Hexachlorobutadiene	ND	1.3	20	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Isopropylbenzene	ND	0.81	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
m,p-Xylene	ND	0.57	10	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Methyl t-Butyl Ether	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
<b>Methylene chloride</b>	<b>4.1</b>	1.4	20	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	J, D, B
Naphthalene	ND	0.88	50	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
n-Butyl Benzene	ND	1.4	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
n-Propyl Benzene	ND	1.0	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
o-Xylene	ND	0.58	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
p-Isopropyltoluene	ND	0.85	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
sec-Butyl Benzene	ND	1.3	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Styrene	ND	0.65	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
tert-Butylbenzene	ND	1.2	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Tetrachloroethene	ND	0.81	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Tetrahydrofuran	ND	12	100	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Toluene	ND	0.53	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
trans-1,2-Dichloroethene	ND	1.1	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.96	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Trichloroethene	ND	0.62	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	
Vinyl chloride	ND	1.6	5.0	ug/L	10	06/30/2020	07/01/2020 01:32	EPA 8260B	

Surrogate: Toluene-d8 102 % 82.5-107 06/30/2020 07/01/2020 01:32 EPA 8260B

Surrogate: 4-Bromofluorobenzene 96.9 % 78.3-109 06/30/2020 07/01/2020 01:32 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4 97.2 % 80-120 06/30/2020 07/01/2020 01:32 EPA 8260B

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**Blank (A006210-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 20:07

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**Blank (A006210-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 20:07

m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	5.5	250	ug/kg wet							J
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
<i>Surrogate: Toluene-d8</i>	<i>489</i>		<i>ug/kg wet</i>	<i>502.5</i>		<i>97.4</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>542</i>		<i>ug/kg wet</i>	<i>502.5</i>		<i>108</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>434</i>		<i>ug/kg wet</i>	<i>502.5</i>		<i>86.3</i>	<i>80-120</i>			

**LCS (A006210-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:15

1,1,1,2-Tetrachloroethane	131	25	ug/kg wet	251.0		52.0	85.9-112			
1,1,1-Trichloroethane	155	25	ug/kg wet	251.0		61.6	73.1-128			
1,1,2,2-Tetrachloroethane	137	25	ug/kg wet	251.0		54.4	76-118			
1,1,2-Trichloroethane	149	25	ug/kg wet	251.0		59.4	82.5-115			
1,1,2-Trichlorotrifluoroethane	159	25	ug/kg wet	251.0		63.2	63.5-140			
1,1-Dichloroethane	163	25	ug/kg wet	251.0		64.8	73-123			
1,1-Dichloroethene	148	25	ug/kg wet	251.0		59.0	56.6-131			
1,1-Dichloropropene	146	25	ug/kg wet	251.0		58.0	82.8-113			
1,2,3-Trichlorobenzene	139	100	ug/kg wet	251.0		55.4	79.2-108			
1,2,3-Trichloropropane	88.4	50	ug/kg wet	251.0		35.2	76.9-118			
1,2,4-Trichlorobenzene	134	100	ug/kg wet	251.0		53.2	75.5-109			
1,2,4-Trimethylbenzene	157	25	ug/kg wet	251.0		62.6	84.8-111			
1,2-Dibromo-3-chloropropane	117	25	ug/kg wet	251.0		46.6	64.6-118			
1,2-Dibromoethane (EDB)	144	25	ug/kg wet	251.0		57.2	83.4-112			
1,2-Dichlorobenzene	152	25	ug/kg wet	251.0		60.4	80-120			
1,2-Dichloroethane	166	25	ug/kg wet	251.0		66.0	67.3-134			
1,2-Dichloropropane	178	25	ug/kg wet	251.0		70.8	82.8-111			
1,3,5-Trimethylbenzene	158	25	ug/kg wet	251.0		62.8	85.5-111			
1,3-Dichlorobenzene	148	25	ug/kg wet	251.0		58.8	80-120			
1,3-Dichloropropane	153	25	ug/kg wet	251.0		61.0	83.5-113			
1,4-Dichlorobenzene	150	25	ug/kg wet	251.0		59.6	80-120			
2,2-Dichloropropane	127	25	ug/kg wet	251.0		50.6	69.7-125			
2-Butanone	1550	1000	ug/kg wet	2510		61.6	67.8-128			
2-Chlorotoluene	167	25	ug/kg wet	251.0		66.6	80-120			
2-Hexanone	1620	1000	ug/kg wet	2510		64.7	73.5-124			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**LCS (A006210-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:15

4-Chlorotoluene	167	25	ug/kg wet	251.0		66.4	83.4-111			
4-Methyl-2-pentanone	1390	1000	ug/kg wet	2510		55.3	77.8-123			
Acetone	2610	1000	ug/kg wet	2510		104	40.1-182			
Benzene	145	25	ug/kg wet	251.0		57.8	77.1-115			
Bromobenzene	147	25	ug/kg wet	251.0		58.6	80-120			
Bromochloromethane	148	25	ug/kg wet	251.0		58.8	76.8-121			
Bromodichloromethane	145	25	ug/kg wet	251.0		57.8	78.9-117			
Bromoform	113	25	ug/kg wet	251.0		45.0	70.9-116			
Carbon disulfide	137	25	ug/kg wet	251.0		54.6	50.7-131			
Carbon tetrachloride	143	25	ug/kg wet	251.0		56.8	70.8-119			
Chlorobenzene	151	25	ug/kg wet	251.0		60.0	81.2-111			
Chloroform	147	25	ug/kg wet	251.0		58.4	72.4-127			
Chloromethane	152	50	ug/kg wet	251.0		60.4	52.6-126			
cis-1,2-Dichloroethene	148	25	ug/kg wet	251.0		59.0	76-115			
cis-1,3-Dichloropropene	136	25	ug/kg wet	251.0		54.2	80-120			
Dibromochloromethane	122	25	ug/kg wet	251.0		48.6	78-115			
Dibromomethane	155	25	ug/kg wet	251.0		61.6	81.6-117			
Dichlorodifluoromethane	105	25	ug/kg wet	251.0		41.8	39.6-115			
Diisopropyl Ether	136	25	ug/kg wet	251.0		54.0	77.5-120			
Ethylbenzene	149	25	ug/kg wet	251.0		59.2	82.3-110			
Hexachlorobutadiene	126	100	ug/kg wet	251.0		50.0	80.1-115			
Isopropylbenzene	157	25	ug/kg wet	251.0		62.6	82.9-114			
m,p-Xylene	286	50	ug/kg wet	502.0		56.9	81.8-111			
Methyl t-Butyl Ether	148	25	ug/kg wet	251.0		59.0	75.4-124			
Methylene chloride	150	100	ug/kg wet	251.0		59.8	62.2-132			
Naphthalene	136	250	ug/kg wet	251.0		54.0	67.8-111			J, B
n-Butyl Benzene	156	25	ug/kg wet	251.0		62.0	78.8-115			
n-Propyl Benzene	171	25	ug/kg wet	251.0		68.0	82.9-111			
o-Xylene	147	25	ug/kg wet	251.0		58.4	81.5-111			
p-Isopropyltoluene	149	25	ug/kg wet	251.0		59.4	83.3-111			
sec-Butyl Benzene	163	25	ug/kg wet	251.0		65.0	83.4-113			
Styrene	144	25	ug/kg wet	251.0		57.2	81.5-110			
tert-Butylbenzene	157	25	ug/kg wet	251.0		62.4	82.4-113			
Tetrachloroethene	132	25	ug/kg wet	251.0		52.4	73.7-114			
Tetrahydrofuran	1270	500	ug/kg wet	2510		50.6	69.8-127			
Toluene	142	25	ug/kg wet	251.0		56.6	77.5-112			
trans-1,2-Dichloroethene	145	25	ug/kg wet	251.0		57.6	73.5-116			
trans-1,3-Dichloropropene	134	25	ug/kg wet	251.0		53.4	80.9-110			
Trichloroethene	170	25	ug/kg wet	251.0		67.6	79.5-110			
Vinyl chloride	141	25	ug/kg wet	251.0		56.0	49.9-123			
Surrogate: Toluene-d8	137		ug/kg wet	251.0		54.6	61.9-110			S
Surrogate: 4-Bromofluorobenzene	154		ug/kg wet	251.0		61.4	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	142		ug/kg wet	251.0		56.4	80-120			S

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**LCS Dup (A006210-BSD1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:41

1,1,1,2-Tetrachloroethane	237	25	ug/kg wet	250.5		94.6	85.9-112	57.9	20	
1,1,1-Trichloroethane	263	25	ug/kg wet	250.5		105	73.1-128	51.7	20	
1,1,2,2-Tetrachloroethane	246	25	ug/kg wet	250.5		98.2	76-118	57.2	20	
1,1,2-Trichloroethane	252	25	ug/kg wet	250.5		101	82.5-115	51.3	20	
1,1,2-Trichlorotrifluoroethane	266	25	ug/kg wet	250.5		106	63.5-140	50.6	20	
1,1-Dichloroethane	271	25	ug/kg wet	250.5		108	73-123	49.8	20	
1,1-Dichloroethene	247	25	ug/kg wet	250.5		98.6	56.6-131	50.1	20	
1,1-Dichloropropene	250	25	ug/kg wet	250.5		99.8	82.8-113	52.8	20	
1,2,3-Trichlorobenzene	251	100	ug/kg wet	250.5		100	79.2-108	57.4	20	
1,2,3-Trichloropropane	248	50	ug/kg wet	250.5		99.0	76.9-118	94.9	20	
1,2,4-Trichlorobenzene	240	100	ug/kg wet	250.5		96.0	75.5-109	57.2	20	
1,2,4-Trimethylbenzene	278	25	ug/kg wet	250.5		111	84.8-111	55.6	20	
1,2-Dibromo-3-chloropropane	214	25	ug/kg wet	250.5		85.6	64.6-118	58.8	20	
1,2-Dibromoethane (EDB)	243	25	ug/kg wet	250.5		97.0	83.4-112	51.4	20	
1,2-Dichlorobenzene	269	25	ug/kg wet	250.5		107	80-120	55.7	20	
1,2-Dichloroethane	263	25	ug/kg wet	250.5		105	67.3-134	45.4	20	
1,2-Dichloropropane	289	25	ug/kg wet	250.5		115	82.8-111	47.7	20	
1,3,5-Trimethylbenzene	282	25	ug/kg wet	250.5		113	85.5-111	56.6	20	
1,3-Dichlorobenzene	259	25	ug/kg wet	250.5		103	80-120	54.8	20	
1,3-Dichloropropane	248	25	ug/kg wet	250.5		99.0	83.5-113	47.3	20	
1,4-Dichlorobenzene	261	25	ug/kg wet	250.5		104	80-120	54.3	20	
2,2-Dichloropropane	210	25	ug/kg wet	250.5		83.8	69.7-125	49.2	20	
2-Butanone	2890	1000	ug/kg wet	2505		115	67.8-128	60.6	20	
2-Chlorotoluene	288	25	ug/kg wet	250.5		115	80-120	53.0	20	
2-Hexanone	2800	1000	ug/kg wet	2505		112	73.5-124	53.1	20	
4-Chlorotoluene	288	25	ug/kg wet	250.5		115	83.4-111	53.2	20	
4-Methyl-2-pentanone	2390	1000	ug/kg wet	2505		95.3	77.8-123	52.9	20	
Acetone	4460	1000	ug/kg wet	2505		178	40.1-182	52.3	20	
Benzene	241	25	ug/kg wet	250.5		96.4	77.1-115	49.9	20	
Bromobenzene	262	25	ug/kg wet	250.5		104	80-120	56.0	20	
Bromochloromethane	242	25	ug/kg wet	250.5		96.6	76.8-121	48.5	20	
Bromodichloromethane	244	25	ug/kg wet	250.5		97.6	78.9-117	51.0	20	
Bromoform	215	25	ug/kg wet	250.5		85.8	70.9-116	62.2	20	
Carbon disulfide	225	25	ug/kg wet	250.5		90.0	50.7-131	48.8	20	
Carbon tetrachloride	251	25	ug/kg wet	250.5		100	70.8-119	54.9	20	
Chlorobenzene	253	25	ug/kg wet	250.5		101	81.2-111	50.7	20	
Chloroform	249	25	ug/kg wet	250.5		99.6	72.4-127	52.0	20	
Chloromethane	223	50	ug/kg wet	250.5		89.2	52.6-126	38.3	20	
cis-1,2-Dichloroethene	244	25	ug/kg wet	250.5		97.4	76-115	48.9	20	
cis-1,3-Dichloropropene	228	25	ug/kg wet	250.5		91.2	80-120	50.7	20	
Dibromochloromethane	221	25	ug/kg wet	250.5		88.4	78-115	57.9	20	
Dibromomethane	256	25	ug/kg wet	250.5		102	81.6-117	49.4	20	
Dichlorodifluoromethane	178	25	ug/kg wet	250.5		71.2	39.6-115	51.8	20	
Diisopropyl Ether	259	25	ug/kg wet	250.5		103	77.5-120	62.6	20	
Ethylbenzene	257	25	ug/kg wet	250.5		103	82.3-110	53.5	20	
Hexachlorobutadiene	238	100	ug/kg wet	250.5		95.2	80.1-115	62.1	20	
Isopropylbenzene	283	25	ug/kg wet	250.5		113	82.9-114	57.2	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006210 - EPA 5030B**

**LCS Dup (A006210-BSD1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 07:41

m,p-Xylene	495	50	ug/kg wet	501.0		98.9	81.8-111	53.7	20	
Methyl t-Butyl Ether	247	25	ug/kg wet	250.5		98.6	75.4-124	50.1	20	
Methylene chloride	261	100	ug/kg wet	250.5		104	62.2-132	53.8	20	
Naphthalene	243	250	ug/kg wet	250.5		97.0	67.8-111	56.8	20	J, B
n-Butyl Benzene	276	25	ug/kg wet	250.5		110	78.8-115	55.6	20	
n-Propyl Benzene	303	25	ug/kg wet	250.5		121	82.9-111	55.9	20	
o-Xylene	249	25	ug/kg wet	250.5		99.6	81.5-111	52.0	20	
p-Isopropyltoluene	275	25	ug/kg wet	250.5		110	83.3-111	59.4	20	
sec-Butyl Benzene	294	25	ug/kg wet	250.5		117	83.4-113	57.3	20	
Styrene	248	25	ug/kg wet	250.5		99.0	81.5-110	53.3	20	
tert-Butylbenzene	284	25	ug/kg wet	250.5		113	82.4-113	57.8	20	
Tetrachloroethene	231	25	ug/kg wet	250.5		92.2	73.7-114	54.9	20	
Tetrahydrofuran	2210	500	ug/kg wet	2505		88.1	69.8-127	53.9	20	
Toluene	246	25	ug/kg wet	250.5		98.2	77.5-112	53.6	20	
trans-1,2-Dichloroethene	232	25	ug/kg wet	250.5		92.6	73.5-116	46.4	20	
trans-1,3-Dichloropropene	227	25	ug/kg wet	250.5		90.6	80.9-110	51.5	20	
Trichloroethene	276	25	ug/kg wet	250.5		110	79.5-110	47.6	20	
Vinyl chloride	221	25	ug/kg wet	250.5		88.4	49.9-123	44.7	20	
Surrogate: Toluene-d8	241		ug/kg wet	250.5		96.2	61.9-110			
Surrogate: 4-Bromofluorobenzene	265		ug/kg wet	250.5		106	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	245		ug/kg wet	250.5		98.0	80-120			

**Batch A006211 - EPA 5030B**

**Blank (A006211-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:05

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,2-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,1-Dichloropropene	ND	0.50	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	0.50	ug/L							
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L							
1,2-Dibromoethane (EDB)	ND	0.50	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.50	ug/L							
1,3-Dichlorobenzene	ND	0.50	ug/L							
1,3-Dichloropropane	ND	0.50	ug/L							
1,4-Dichlorobenzene	ND	0.50	ug/L							
2,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone	ND	20	ug/L							



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Blank (A006211-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:05

2-Chlorotoluene	ND	0.50	ug/L							
2-Hexanone	ND	20	ug/L							
4-Chlorotoluene	ND	0.50	ug/L							
4-Methyl-2-pentanone	ND	20	ug/L							
Acetone	ND	20	ug/L							
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	ug/L							
Bromochloromethane	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	0.50	ug/L							
Carbon disulfide	ND	0.50	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
cis-1,3-Dichloropropene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Diisopropyl Ether	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
Isopropylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methyl t-Butyl Ether	ND	0.50	ug/L							
Methylene chloride	0.38	2.0	ug/L							J
Naphthalene	ND	5.0	ug/L							
n-Butyl Benzene	ND	0.50	ug/L							
n-Propyl Benzene	ND	0.50	ug/L							
o-Xylene	ND	0.50	ug/L							
p-Isopropyltoluene	ND	0.50	ug/L							
sec-Butyl Benzene	ND	0.50	ug/L							
Styrene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
trans-1,3-Dichloropropene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: Toluene-d8	9.99		ug/L	10.00		99.9	82.5-107			
Surrogate: 4-Bromofluorobenzene	9.13		ug/L	10.00		91.3	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	9.38		ug/L	10.00		93.8	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**LCS (A006211-BS1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 23:15

1,1,1,2-Tetrachloroethane	4.73	0.50	ug/L	5.000		94.6	80-120			
1,1,1-Trichloroethane	4.95	0.50	ug/L	5.000		99.0	84.5-127			
1,1,2,2-Tetrachloroethane	5.16	0.50	ug/L	5.000		103	82.1-119			
1,1,2-Trichloroethane	5.65	0.50	ug/L	5.000		113	87.5-116			
1,1,2-Trichlorotrifluoroethane	5.44	0.50	ug/L	5.000		109	74.5-142			
1,1-Dichloroethane	5.76	0.50	ug/L	5.000		115	78-134			
1,1-Dichloroethene	5.36	0.50	ug/L	5.000		107	60.6-148			
1,1-Dichloropropene	5.44	0.50	ug/L	5.000		109	84.8-124			
1,2,3-Trichlorobenzene	5.13	2.0	ug/L	5.000		103	80-120			
1,2,3-Trichloropropane	5.41	1.0	ug/L	5.000		108	80.9-123			
1,2,4-Trichlorobenzene	4.81	2.0	ug/L	5.000		96.2	77.7-109			
1,2,4-Trimethylbenzene	5.39	0.50	ug/L	5.000		108	86.7-115			
1,2-Dibromo-3-chloropropane	3.34	0.50	ug/L	5.000		66.8	66.6-125			
1,2-Dibromoethane (EDB)	5.35	0.50	ug/L	5.000		107	80-120			
1,2-Dichlorobenzene	5.41	0.50	ug/L	5.000		108	80-120			
1,2-Dichloroethane	5.94	0.50	ug/L	5.000		119	78.9-134			
1,2-Dichloropropane	5.61	0.50	ug/L	5.000		112	88.8-116			
1,3,5-Trimethylbenzene	5.31	0.50	ug/L	5.000		106	88.8-114			
1,3-Dichlorobenzene	5.19	0.50	ug/L	5.000		104	80-120			
1,3-Dichloropropane	5.73	0.50	ug/L	5.000		115	89-116			
1,4-Dichlorobenzene	5.37	0.50	ug/L	5.000		107	80-120			
2,2-Dichloropropane	3.84	0.50	ug/L	5.000		76.8	69.1-130			
2-Butanone	90.4	20	ug/L	50.00		181	66.1-143			
2-Chlorotoluene	5.51	0.50	ug/L	5.000		110	88.5-114			
2-Hexanone	82.0	20	ug/L	50.00		164	74.1-132			
4-Chlorotoluene	5.64	0.50	ug/L	5.000		113	87.1-115			
4-Methyl-2-pentanone	60.8	20	ug/L	50.00		122	78.3-130			
Acetone	150	20	ug/L	50.00		300	47.3-164			
Benzene	5.56	0.50	ug/L	5.000		111	84.5-121			
Bromobenzene	5.74	0.50	ug/L	5.000		115	80-120			
Bromochloromethane	5.93	0.50	ug/L	5.000		119	83.3-126			
Bromodichloromethane	5.17	0.50	ug/L	5.000		103	88.5-115			
Bromoform	4.03	0.50	ug/L	5.000		80.6	79.1-114			
Carbon disulfide	5.03	0.50	ug/L	5.000		101	58.3-141			
Carbon tetrachloride	4.48	0.50	ug/L	5.000		89.6	74.6-130			
Chlorobenzene	5.43	0.50	ug/L	5.000		109	80-120			
Chloroform	5.43	0.50	ug/L	5.000		109	79.4-131			
Chloromethane	5.88	2.0	ug/L	5.000		118	64.9-141			
cis-1,2-Dichloroethene	5.45	0.50	ug/L	5.000		109	86.4-119			
cis-1,3-Dichloropropene	4.83	0.50	ug/L	5.000		96.6	85.5-114			
Dibromochloromethane	4.77	0.50	ug/L	5.000		95.4	86.2-113			
Dibromomethane	5.45	0.50	ug/L	5.000		109	87.6-117			
Dichlorodifluoromethane	5.16	0.50	ug/L	5.000		103	70.1-142			
Diisopropyl Ether	5.47	0.50	ug/L	5.000		109	79.9-131			
Ethylbenzene	5.51	0.50	ug/L	5.000		110	80-120			
Hexachlorobutadiene	4.49	2.0	ug/L	5.000		89.8	80.1-122			
Isopropylbenzene	5.38	0.50	ug/L	5.000		108	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**LCS (A006211-BS1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 23:15

m,p-Xylene	10.7	1.0	ug/L	10.00		107	80-120			
Methyl t-Butyl Ether	5.33	0.50	ug/L	5.000		107	77.4-133			
Methylene chloride	5.75	2.0	ug/L	5.000		115	74-136			B
Naphthalene	5.16	5.0	ug/L	5.000		103	74.3-114			
n-Butyl Benzene	5.32	0.50	ug/L	5.000		106	82.2-117			
n-Propyl Benzene	5.23	0.50	ug/L	5.000		105	86.1-116			
o-Xylene	5.26	0.50	ug/L	5.000		105	80-120			
p-Isopropyltoluene	5.35	0.50	ug/L	5.000		107	86.5-114			
sec-Butyl Benzene	5.41	0.50	ug/L	5.000		108	88.4-114			
Styrene	5.27	0.50	ug/L	5.000		105	80-120			
tert-Butylbenzene	5.39	0.50	ug/L	5.000		108	85.7-117			
Tetrachloroethene	5.24	0.50	ug/L	5.000		105	83.6-115			
Tetrahydrofuran	57.4	10	ug/L	50.00		115	67.5-147			
Toluene	5.47	0.50	ug/L	5.000		109	87-113			
trans-1,2-Dichloroethene	5.30	0.50	ug/L	5.000		106	80.8-125			
trans-1,3-Dichloropropene	4.47	0.50	ug/L	5.000		89.4	84.7-114			
Trichloroethene	5.48	0.50	ug/L	5.000		110	80-120			
Vinyl chloride	5.42	0.50	ug/L	5.000		108	66.2-141			
<i>Surrogate: Toluene-d8</i>	<i>5.34</i>		<i>ug/L</i>	<i>5.000</i>		<i>107</i>	<i>82.5-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>5.19</i>		<i>ug/L</i>	<i>5.000</i>		<i>104</i>	<i>78.3-109</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>5.13</i>		<i>ug/L</i>	<i>5.000</i>		<i>103</i>	<i>80-120</i>			

**Matrix Spike (A006211-MS1)**

Source: A202705-13

Prepared: 06/30/2020 Analyzed: 06/30/2020 22:21

1,1,1,2-Tetrachloroethane	467	50	ug/L	500.0	ND	93.4	80-120			D
1,1,1-Trichloroethane	474	50	ug/L	500.0	ND	94.8	79.6-133			D
1,1,2,2-Tetrachloroethane	538	50	ug/L	500.0	ND	108	77.7-125			D
1,1,2-Trichloroethane	585	50	ug/L	500.0	ND	117	84.7-121			D
1,1,2-Trichlorotrifluoroethane	522	50	ug/L	500.0	ND	104	88.5-154			D
1,1-Dichloroethane	562	50	ug/L	500.0	ND	112	61-149			D
1,1-Dichloroethene	533	50	ug/L	500.0	ND	107	35.8-173			D
1,1-Dichloropropene	539	50	ug/L	500.0	ND	108	84.3-123			D
1,2,3-Trichlorobenzene	496	200	ug/L	500.0	ND	99.2	80-120			D
1,2,3-Trichloropropane	522	100	ug/L	500.0	ND	104	74.6-133			D
1,2,4-Trichlorobenzene	472	200	ug/L	500.0	ND	94.4	77.1-108			D
1,2,4-Trimethylbenzene	518	50	ug/L	500.0	ND	104	74.5-122			D
1,2-Dibromo-3-chloropropane	360	50	ug/L	500.0	ND	72.0	65.5-130			D
1,2-Dibromoethane (EDB)	532	50	ug/L	500.0	ND	106	80-120			D
1,2-Dichlorobenzene	530	50	ug/L	500.0	ND	106	80-120			D
1,2-Dichloroethane	961	50	ug/L	500.0	389	114	71.8-143			D
1,2-Dichloropropane	555	50	ug/L	500.0	ND	111	87.6-117			D
1,3,5-Trimethylbenzene	520	50	ug/L	500.0	ND	104	78.8-119			D
1,3-Dichlorobenzene	513	50	ug/L	500.0	ND	103	80-120			D
1,3-Dichloropropane	577	50	ug/L	500.0	ND	115	88.3-119			D
1,4-Dichlorobenzene	533	50	ug/L	500.0	ND	107	80-120			D
2,2-Dichloropropane	381	50	ug/L	500.0	ND	76.2	71.6-129			D
2-Butanone	9080	2000	ug/L	5000	ND	182	56.9-161			M, D
2-Chlorotoluene	535	50	ug/L	500.0	ND	107	80-120			D
2-Hexanone	8130	2000	ug/L	5000	ND	163	68.2-140			M, D

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

Matrix Spike (A006211-MS1)	Source: A202705-13	Prepared: 06/30/2020	Analyzed: 06/30/2020 22:21							
4-Chlorotoluene	545	50	ug/L	500.0	ND	109	80-120			D
4-Methyl-2-pentanone	5930	2000	ug/L	5000	ND	119	74.6-138			D
Acetone	14800	2000	ug/L	5000	ND	296	43.3-196			M, D
Benzene	555	50	ug/L	500.0	ND	111	81-123			D
Bromobenzene	558	50	ug/L	500.0	ND	112	80-120			D
Bromochloromethane	602	50	ug/L	500.0	ND	120	75.2-140			D
Bromodichloromethane	506	50	ug/L	500.0	ND	101	85.1-119			D
Bromoform	407	50	ug/L	500.0	ND	81.4	75.5-117			D
Carbon disulfide	495	50	ug/L	500.0	ND	99.0	43.1-163			D
Carbon tetrachloride	417	50	ug/L	500.0	ND	83.4	70.8-137			D
Chlorobenzene	526	50	ug/L	500.0	ND	105	80-120			D
Chloroform	547	50	ug/L	500.0	ND	109	73.3-138			D
Chloromethane	571	200	ug/L	500.0	ND	114	55.9-143			D
cis-1,2-Dichloroethene	549	50	ug/L	500.0	ND	110	81.7-124			D
cis-1,3-Dichloropropene	485	50	ug/L	500.0	ND	97.0	85.1-113			D
Dibromochloromethane	452	50	ug/L	500.0	ND	90.4	84.4-114			D
Dibromomethane	555	50	ug/L	500.0	ND	111	91.2-119			D
Dichlorodifluoromethane	514	50	ug/L	500.0	ND	103	85.4-139			D
Diisopropyl Ether	556	50	ug/L	500.0	ND	111	79.5-133			D
Ethylbenzene	539	50	ug/L	500.0	ND	108	80-120			D
Hexachlorobutadiene	461	200	ug/L	500.0	ND	92.2	78.4-120			D
Isopropylbenzene	520	50	ug/L	500.0	ND	104	84.7-114			D
m,p-Xylene	1040	100	ug/L	1000	ND	104	80-120			D
Methyl t-Butyl Ether	532	50	ug/L	500.0	ND	106	73-147			D
Methylene chloride	568	200	ug/L	500.0	66.0	100	64.1-146			D, B
Naphthalene	504	500	ug/L	500.0	ND	101	75.3-111			D
n-Butyl Benzene	515	50	ug/L	500.0	ND	103	81.7-115			D
n-Propyl Benzene	495	50	ug/L	500.0	ND	99.0	86.5-112			D
o-Xylene	514	50	ug/L	500.0	ND	103	85.8-112			D
p-Isopropyltoluene	504	50	ug/L	500.0	ND	101	82.5-114			D
sec-Butyl Benzene	513	50	ug/L	500.0	ND	103	85-114			D
Styrene	522	50	ug/L	500.0	ND	104	80-120			D
tert-Butylbenzene	511	50	ug/L	500.0	ND	102	82.4-117			D
Tetrachloroethene	508	50	ug/L	500.0	ND	102	85.2-114			D
Tetrahydrofuran	5720	1000	ug/L	5000	ND	114	65.8-161			D
Toluene	539	50	ug/L	500.0	ND	108	81.9-112			D
trans-1,2-Dichloroethene	518	50	ug/L	500.0	ND	104	81.8-123			D
trans-1,3-Dichloropropene	451	50	ug/L	500.0	ND	90.2	84.4-114			D
Trichloroethene	530	50	ug/L	500.0	ND	106	80-120			D
Vinyl chloride	532	50	ug/L	500.0	ND	106	64-147			D
Surrogate: Toluene-d8	533		ug/L	500.0		107	82.5-107			
Surrogate: 4-Bromofluorobenzene	512		ug/L	500.0		102	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	519		ug/L	500.0		104	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

**Matrix Spike Dup (A006211-MSD1)**

Source: A202705-13

Prepared: 06/30/2020 Analyzed: 06/30/2020 22:48

1,1,1,2-Tetrachloroethane	454	50	ug/L	500.0	ND	90.8	80-120	2.82	20	D
1,1,1-Trichloroethane	480	50	ug/L	500.0	ND	96.0	79.6-133	1.26	20	D
1,1,2,2-Tetrachloroethane	523	50	ug/L	500.0	ND	105	77.7-125	2.83	20	D
1,1,2-Trichloroethane	546	50	ug/L	500.0	ND	109	84.7-121	6.90	20	D
1,1,2-Trichlorotrifluoroethane	524	50	ug/L	500.0	ND	105	88.5-154	0.382	20	D
1,1-Dichloroethane	562	50	ug/L	500.0	ND	112	61-149	0.00	20	D
1,1-Dichloroethene	536	50	ug/L	500.0	ND	107	35.8-173	0.561	20	D
1,1-Dichloropropene	532	50	ug/L	500.0	ND	106	84.3-123	1.31	20	D
1,2,3-Trichlorobenzene	510	200	ug/L	500.0	ND	102	80-120	2.78	20	D
1,2,3-Trichloropropane	527	100	ug/L	500.0	ND	105	74.6-133	0.953	20	D
1,2,4-Trichlorobenzene	479	200	ug/L	500.0	ND	95.8	77.1-108	1.47	20	D
1,2,4-Trimethylbenzene	521	50	ug/L	500.0	ND	104	74.5-122	0.577	20	D
1,2-Dibromo-3-chloropropane	358	50	ug/L	500.0	ND	71.6	65.5-130	0.557	20	D
1,2-Dibromoethane (EDB)	516	50	ug/L	500.0	ND	103	80-120	3.05	20	D
1,2-Dichlorobenzene	531	50	ug/L	500.0	ND	106	80-120	0.189	20	D
1,2-Dichloroethane	943	50	ug/L	500.0	389	111	71.8-143	1.89	20	D
1,2-Dichloropropane	551	50	ug/L	500.0	ND	110	87.6-117	0.723	20	D
1,3,5-Trimethylbenzene	523	50	ug/L	500.0	ND	105	78.8-119	0.575	20	D
1,3-Dichlorobenzene	514	50	ug/L	500.0	ND	103	80-120	0.195	20	D
1,3-Dichloropropane	568	50	ug/L	500.0	ND	114	88.3-119	1.57	20	D
1,4-Dichlorobenzene	524	50	ug/L	500.0	ND	105	80-120	1.70	20	D
2,2-Dichloropropane	385	50	ug/L	500.0	ND	77.0	71.6-129	1.04	20	D
2-Butanone	8520	2000	ug/L	5000	ND	170	56.9-161	6.44	20	M, D
2-Chlorotoluene	542	50	ug/L	500.0	ND	108	80-120	1.30	20	D
2-Hexanone	7740	2000	ug/L	5000	ND	155	68.2-140	4.94	20	M, D
4-Chlorotoluene	542	50	ug/L	500.0	ND	108	80-120	0.552	20	D
4-Methyl-2-pentanone	5720	2000	ug/L	5000	ND	114	74.6-138	3.62	20	D
Acetone	13800	2000	ug/L	5000	ND	277	43.3-196	6.70	20	M, D
Benzene	546	50	ug/L	500.0	ND	109	81-123	1.63	20	D
Bromobenzene	574	50	ug/L	500.0	ND	115	80-120	2.83	20	D
Bromochloromethane	580	50	ug/L	500.0	ND	116	75.2-140	3.72	20	D
Bromodichloromethane	513	50	ug/L	500.0	ND	103	85.1-119	1.37	20	D
Bromoform	403	50	ug/L	500.0	ND	80.6	75.5-117	0.988	20	D
Carbon disulfide	491	50	ug/L	500.0	ND	98.2	43.1-163	0.811	20	D
Carbon tetrachloride	439	50	ug/L	500.0	ND	87.8	70.8-137	5.14	20	D
Chlorobenzene	527	50	ug/L	500.0	ND	105	80-120	0.190	20	D
Chloroform	546	50	ug/L	500.0	ND	109	73.3-138	0.183	20	D
Chloromethane	587	200	ug/L	500.0	ND	117	55.9-143	2.76	20	D
cis-1,2-Dichloroethene	534	50	ug/L	500.0	ND	107	81.7-124	2.77	20	D
cis-1,3-Dichloropropene	466	50	ug/L	500.0	ND	93.2	85.1-113	4.00	20	D
Dibromochloromethane	465	50	ug/L	500.0	ND	93.0	84.4-114	2.84	20	D
Dibromomethane	532	50	ug/L	500.0	ND	106	91.2-119	4.23	20	D
Dichlorodifluoromethane	516	50	ug/L	500.0	ND	103	85.4-139	0.388	20	D
Diisopropyl Ether	552	50	ug/L	500.0	ND	110	79.5-133	0.722	20	D
Ethylbenzene	540	50	ug/L	500.0	ND	108	80-120	0.185	20	D
Hexachlorobutadiene	453	200	ug/L	500.0	ND	90.6	78.4-120	1.75	20	D
Isopropylbenzene	532	50	ug/L	500.0	ND	106	84.7-114	2.28	20	D

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006211 - EPA 5030B**

Matrix Spike Dup (A006211-MSD1)	Source: A202705-13	Prepared: 06/30/2020	Analyzed: 06/30/2020 22:48							
m,p-Xylene	1050	100	ug/L	1000	ND	105	80-120	1.15	20	D
Methyl t-Butyl Ether	511	50	ug/L	500.0	ND	102	73-147	4.03	20	D
Methylene chloride	561	200	ug/L	500.0	66.0	99.0	64.1-146	1.24	20	D, B
Naphthalene	497	500	ug/L	500.0	ND	99.4	75.3-111	1.40	20	J, D
n-Butyl Benzene	517	50	ug/L	500.0	ND	103	81.7-115	0.388	20	D
n-Propyl Benzene	517	50	ug/L	500.0	ND	103	86.5-112	4.35	20	D
o-Xylene	513	50	ug/L	500.0	ND	103	85.8-112	0.195	20	D
p-Isopropyltoluene	509	50	ug/L	500.0	ND	102	82.5-114	0.987	20	D
sec-Butyl Benzene	519	50	ug/L	500.0	ND	104	85-114	1.16	20	D
Styrene	510	50	ug/L	500.0	ND	102	80-120	2.33	20	D
tert-Butylbenzene	526	50	ug/L	500.0	ND	105	82.4-117	2.89	20	D
Tetrachloroethene	506	50	ug/L	500.0	ND	101	85.2-114	0.394	20	D
Tetrahydrofuran	5390	1000	ug/L	5000	ND	108	65.8-161	5.95	20	D
Toluene	546	50	ug/L	500.0	ND	109	81.9-112	1.29	20	D
trans-1,2-Dichloroethene	523	50	ug/L	500.0	ND	105	81.8-123	0.961	20	D
trans-1,3-Dichloropropene	435	50	ug/L	500.0	ND	87.0	84.4-114	3.61	20	D
Trichloroethene	524	50	ug/L	500.0	ND	105	80-120	1.14	20	D
Vinyl chloride	550	50	ug/L	500.0	ND	110	64-147	3.33	20	D
Surrogate: Toluene-d8	523		ug/L	500.0		105	82.5-107			
Surrogate: 4-Bromofluorobenzene	509		ug/L	500.0		102	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	504		ug/L	500.0		101	80-120			

**Batch A006212 - EPA 5030B**

Blank (A006212-BLK1)	Prepared: 06/30/2020	Analyzed: 06/30/2020 19:40
1,1,1,2-Tetrachloroethane	ND	25 ug/kg wet
1,1,1-Trichloroethane	ND	25 ug/kg wet
1,1,2,2-Tetrachloroethane	ND	25 ug/kg wet
1,1,2-Trichloroethane	ND	25 ug/kg wet
1,1,2-Trichlorotrifluoroethane	ND	25 ug/kg wet
1,1-Dichloroethane	ND	25 ug/kg wet
1,1-Dichloroethene	ND	25 ug/kg wet
1,1-Dichloropropene	ND	25 ug/kg wet
1,2,3-Trichlorobenzene	ND	100 ug/kg wet
1,2,3-Trichloropropane	ND	50 ug/kg wet
1,2,4-Trichlorobenzene	ND	100 ug/kg wet
1,2,4-Trimethylbenzene	ND	25 ug/kg wet
1,2-Dibromo-3-chloropropane	ND	25 ug/kg wet
1,2-Dibromoethane (EDB)	ND	25 ug/kg wet
1,2-Dichlorobenzene	ND	25 ug/kg wet
1,2-Dichloroethane	ND	25 ug/kg wet
1,2-Dichloropropane	ND	25 ug/kg wet
1,3,5-Trimethylbenzene	ND	25 ug/kg wet
1,3-Dichlorobenzene	ND	25 ug/kg wet
1,3-Dichloropropane	ND	25 ug/kg wet
1,4-Dichlorobenzene	ND	25 ug/kg wet
2,2-Dichloropropane	ND	25 ug/kg wet
2-Butanone	ND	1000 ug/kg wet

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006212 - EPA 5030B**

**Blank (A006212-BLK1)**

Prepared: 06/30/2020 Analyzed: 06/30/2020 19:40

2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Surrogate: Toluene-d8	479		ug/kg wet	500.0		95.8	61.9-110			
Surrogate: 4-Bromofluorobenzene	498		ug/kg wet	500.0		99.6	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	448		ug/kg wet	500.0		89.6	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006212 - EPA 5030B**

**LCS (A006212-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 03:55

1,1,1,2-Tetrachloroethane	174	25	ug/kg wet	248.5		70.2	85.9-112			
1,1,1-Trichloroethane	171	25	ug/kg wet	248.5		68.8	73.1-128			
1,1,2,2-Tetrachloroethane	170	25	ug/kg wet	248.5		68.4	76-118			
1,1,2-Trichloroethane	181	25	ug/kg wet	248.5		73.0	82.5-115			
1,1,2-Trichlorotrifluoroethane	177	25	ug/kg wet	248.5		71.2	63.5-140			
1,1-Dichloroethane	182	25	ug/kg wet	248.5		73.4	73-123			
1,1-Dichloroethene	173	25	ug/kg wet	248.5		69.8	56.6-131			
1,1-Dichloropropene	158	25	ug/kg wet	248.5		63.6	82.8-113			
1,2,3-Trichlorobenzene	180	99	ug/kg wet	248.5		72.4	79.2-108			
1,2,3-Trichloropropane	176	50	ug/kg wet	248.5		70.8	76.9-118			
1,2,4-Trichlorobenzene	173	99	ug/kg wet	248.5		69.8	75.5-109			
1,2,4-Trimethylbenzene	185	25	ug/kg wet	248.5		74.6	84.8-111			
1,2-Dibromo-3-chloropropane	147	25	ug/kg wet	248.5		59.2	64.6-118			
1,2-Dibromoethane (EDB)	173	25	ug/kg wet	248.5		69.8	83.4-112			
1,2-Dichlorobenzene	190	25	ug/kg wet	248.5		76.4	80-120			
1,2-Dichloroethane	183	25	ug/kg wet	248.5		73.6	67.3-134			
1,2-Dichloropropane	182	25	ug/kg wet	248.5		73.2	82.8-111			
1,3,5-Trimethylbenzene	185	25	ug/kg wet	248.5		74.4	85.5-111			
1,3-Dichlorobenzene	184	25	ug/kg wet	248.5		74.2	80-120			
1,3-Dichloropropane	176	25	ug/kg wet	248.5		70.8	83.5-113			
1,4-Dichlorobenzene	182	25	ug/kg wet	248.5		73.2	80-120			
2,2-Dichloropropane	157	25	ug/kg wet	248.5		63.0	69.7-125			
2-Butanone	2520	990	ug/kg wet	2485		101	67.8-128			
2-Chlorotoluene	184	25	ug/kg wet	248.5		74.2	80-120			
2-Hexanone	2040	990	ug/kg wet	2485		82.2	73.5-124			
4-Chlorotoluene	186	25	ug/kg wet	248.5		75.0	83.4-111			
4-Methyl-2-pentanone	1650	990	ug/kg wet	2485		66.5	77.8-123			
Acetone	3670	990	ug/kg wet	2485		148	40.1-182			
Benzene	173	25	ug/kg wet	248.5		69.6	77.1-115			
Bromobenzene	183	25	ug/kg wet	248.5		73.6	80-120			
Bromochloromethane	193	25	ug/kg wet	248.5		77.6	76.8-121			
Bromodichloromethane	166	25	ug/kg wet	248.5		66.8	78.9-117			
Bromoform	148	25	ug/kg wet	248.5		59.4	70.9-116			
Carbon disulfide	149	25	ug/kg wet	248.5		59.8	50.7-131			
Carbon tetrachloride	160	25	ug/kg wet	248.5		64.2	70.8-119			
Chlorobenzene	179	25	ug/kg wet	248.5		72.2	81.2-111			
Chloroform	172	25	ug/kg wet	248.5		69.2	72.4-127			
Chloromethane	126	50	ug/kg wet	248.5		50.6	52.6-126			
cis-1,2-Dichloroethene	187	25	ug/kg wet	248.5		75.4	76-115			
cis-1,3-Dichloropropene	171	25	ug/kg wet	248.5		68.8	80-120			
Dibromochloromethane	165	25	ug/kg wet	248.5		66.4	78-115			
Dibromomethane	184	25	ug/kg wet	248.5		74.2	81.6-117			
Dichlorodifluoromethane	111	25	ug/kg wet	248.5		44.8	39.6-115			
Diisopropyl Ether	193	25	ug/kg wet	248.5		77.8	77.5-120			
Ethylbenzene	176	25	ug/kg wet	248.5		71.0	82.3-110			
Hexachlorobutadiene	168	99	ug/kg wet	248.5		67.8	80.1-115			
Isopropylbenzene	182	25	ug/kg wet	248.5		73.4	82.9-114			



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006212 - EPA 5030B**

**LCS (A006212-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 03:55

m,p-Xylene	352	50	ug/kg wet	497.0		70.8	81.8-111			
Methyl t-Butyl Ether	189	25	ug/kg wet	248.5		76.0	75.4-124			
Methylene chloride	179	99	ug/kg wet	248.5		72.0	62.2-132			
Naphthalene	184	250	ug/kg wet	248.5		74.2	67.8-111			J
n-Butyl Benzene	177	25	ug/kg wet	248.5		71.2	78.8-115			
n-Propyl Benzene	185	25	ug/kg wet	248.5		74.4	82.9-111			
o-Xylene	180	25	ug/kg wet	248.5		72.6	81.5-111			
p-Isopropyltoluene	180	25	ug/kg wet	248.5		72.4	83.3-111			
sec-Butyl Benzene	185	25	ug/kg wet	248.5		74.4	83.4-113			
Styrene	176	25	ug/kg wet	248.5		71.0	81.5-110			
tert-Butylbenzene	182	25	ug/kg wet	248.5		73.4	82.4-113			
Tetrachloroethene	168	25	ug/kg wet	248.5		67.8	73.7-114			
Tetrahydrofuran	1620	500	ug/kg wet	2485		65.4	69.8-127			
Toluene	175	25	ug/kg wet	248.5		70.4	77.5-112			
trans-1,2-Dichloroethene	176	25	ug/kg wet	248.5		70.8	73.5-116			
trans-1,3-Dichloropropene	173	25	ug/kg wet	248.5		69.6	80.9-110			
Trichloroethene	179	25	ug/kg wet	248.5		72.2	79.5-110			
Vinyl chloride	152	25	ug/kg wet	248.5		61.2	49.9-123			
<i>Surrogate: Toluene-d8</i>	<i>173</i>		<i>ug/kg wet</i>	<i>248.5</i>		<i>69.8</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>183</i>		<i>ug/kg wet</i>	<i>248.5</i>		<i>73.8</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>179</i>		<i>ug/kg wet</i>	<i>248.5</i>		<i>72.2</i>	<i>80-120</i>			S

**LCS Dup (A006212-BS1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 04:20

1,1,1,2-Tetrachloroethane	251	25	ug/kg wet	249.8		100	85.9-112	35.9	20	
1,1,1-Trichloroethane	242	25	ug/kg wet	249.8		97.0	73.1-128	34.5	20	
1,1,2,2-Tetrachloroethane	246	25	ug/kg wet	249.8		98.4	76-118	36.5	20	
1,1,2-Trichloroethane	253	25	ug/kg wet	249.8		101	82.5-115	33.1	20	
1,1,2-Trichlorotrifluoroethane	253	25	ug/kg wet	249.8		101	63.5-140	35.5	20	
1,1-Dichloroethane	253	25	ug/kg wet	249.8		101	73-123	32.3	20	
1,1-Dichloroethene	229	25	ug/kg wet	249.8		91.6	56.6-131	27.5	20	
1,1-Dichloropropene	234	25	ug/kg wet	249.8		93.6	82.8-113	38.6	20	
1,2,3-Trichlorobenzene	251	100	ug/kg wet	249.8		100	79.2-108	32.9	20	
1,2,3-Trichloropropane	245	50	ug/kg wet	249.8		98.2	76.9-118	32.9	20	
1,2,4-Trichlorobenzene	247	100	ug/kg wet	249.8		99.0	75.5-109	35.1	20	
1,2,4-Trimethylbenzene	266	25	ug/kg wet	249.8		107	84.8-111	35.8	20	
1,2-Dibromo-3-chloropropane	210	25	ug/kg wet	249.8		84.2	64.6-118	35.4	20	
1,2-Dibromoethane (EDB)	247	25	ug/kg wet	249.8		99.0	83.4-112	35.1	20	
1,2-Dichlorobenzene	266	25	ug/kg wet	249.8		106	80-120	33.3	20	
1,2-Dichloroethane	252	25	ug/kg wet	249.8		101	67.3-134	31.9	20	
1,2-Dichloropropane	250	25	ug/kg wet	249.8		100	82.8-111	31.4	20	
1,3,5-Trimethylbenzene	264	25	ug/kg wet	249.8		106	85.5-111	35.1	20	
1,3-Dichlorobenzene	258	25	ug/kg wet	249.8		103	80-120	33.4	20	
1,3-Dichloropropane	246	25	ug/kg wet	249.8		98.4	83.5-113	33.1	20	
1,4-Dichlorobenzene	254	25	ug/kg wet	249.8		102	80-120	33.2	20	
2,2-Dichloropropane	215	25	ug/kg wet	249.8		86.2	69.7-125	31.6	20	
2-Butanone	3140	1000	ug/kg wet	2498		126	67.8-128	21.8	20	
2-Chlorotoluene	262	25	ug/kg wet	249.8		105	80-120	34.7	20	
2-Hexanone	2670	1000	ug/kg wet	2498		107	73.5-124	26.7	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006212 - EPA 5030B**

**LCS Dup (A006212-BSD1)**

Prepared: 06/30/2020 Analyzed: 07/01/2020 04:20

4-Chlorotoluene	265	25	ug/kg wet	249.8		106	83.4-111	34.7	20	
4-Methyl-2-pentanone	2240	1000	ug/kg wet	2498		89.6	77.8-123	30.2	20	
Acetone	4720	1000	ug/kg wet	2498		189	40.1-182	25.0	20	
Benzene	242	25	ug/kg wet	249.8		96.8	77.1-115	33.2	20	
Bromobenzene	260	25	ug/kg wet	249.8		104	80-120	34.7	20	
Bromochloromethane	255	25	ug/kg wet	249.8		102	76.8-121	27.9	20	
Bromodichloromethane	239	25	ug/kg wet	249.8		95.6	78.9-117	36.0	20	
Bromoform	218	25	ug/kg wet	249.8		87.4	70.9-116	38.6	20	
Carbon disulfide	207	25	ug/kg wet	249.8		82.8	50.7-131	32.7	20	
Carbon tetrachloride	232	25	ug/kg wet	249.8		93.0	70.8-119	37.1	20	
Chlorobenzene	252	25	ug/kg wet	249.8		101	81.2-111	33.7	20	
Chloroform	237	25	ug/kg wet	249.8		94.8	72.4-127	31.7	20	
Chloromethane	181	50	ug/kg wet	249.8		72.6	52.6-126	36.2	20	
cis-1,2-Dichloroethene	252	25	ug/kg wet	249.8		101	76-115	29.5	20	
cis-1,3-Dichloropropene	239	25	ug/kg wet	249.8		95.6	80-120	33.1	20	
Dibromochloromethane	233	25	ug/kg wet	249.8		93.4	78-115	34.3	20	
Dibromomethane	255	25	ug/kg wet	249.8		102	81.6-117	32.2	20	
Dichlorodifluoromethane	151	25	ug/kg wet	249.8		60.6	39.6-115	30.5	20	
Diisopropyl Ether	265	25	ug/kg wet	249.8		106	77.5-120	31.4	20	
Ethylbenzene	250	25	ug/kg wet	249.8		100	82.3-110	34.4	20	
Hexachlorobutadiene	247	100	ug/kg wet	249.8		99.0	80.1-115	37.9	20	
Isopropylbenzene	263	25	ug/kg wet	249.8		105	82.9-114	36.1	20	
m,p-Xylene	494	50	ug/kg wet	499.5		98.9	81.8-111	33.6	20	
Methyl t-Butyl Ether	256	25	ug/kg wet	249.8		103	75.4-124	30.3	20	
Methylene chloride	250	100	ug/kg wet	249.8		100	62.2-132	33.2	20	
Naphthalene	258	250	ug/kg wet	249.8		103	67.8-111	33.2	20	
n-Butyl Benzene	256	25	ug/kg wet	249.8		102	78.8-115	36.4	20	
n-Propyl Benzene	264	25	ug/kg wet	249.8		106	82.9-111	35.3	20	
o-Xylene	252	25	ug/kg wet	249.8		101	81.5-111	33.2	20	
p-Isopropyltoluene	260	25	ug/kg wet	249.8		104	83.3-111	36.3	20	
sec-Butyl Benzene	265	25	ug/kg wet	249.8		106	83.4-113	35.7	20	
Styrene	249	25	ug/kg wet	249.8		99.8	81.5-110	34.2	20	
tert-Butylbenzene	262	25	ug/kg wet	249.8		105	82.4-113	35.9	20	
Tetrachloroethene	236	25	ug/kg wet	249.8		94.6	73.7-114	33.5	20	
Tetrahydrofuran	2160	500	ug/kg wet	2498		86.3	69.8-127	28.1	20	
Toluene	243	25	ug/kg wet	249.8		97.2	77.5-112	32.5	20	
trans-1,2-Dichloroethene	239	25	ug/kg wet	249.8		95.6	73.5-116	30.3	20	
trans-1,3-Dichloropropene	241	25	ug/kg wet	249.8		96.4	80.9-110	32.8	20	
Trichloroethene	247	25	ug/kg wet	249.8		98.8	79.5-110	31.6	20	
Vinyl chloride	209	25	ug/kg wet	249.8		83.8	49.9-123	31.7	20	
Surrogate: Toluene-d8	241		ug/kg wet	249.8		96.6	61.9-110			
Surrogate: 4-Bromofluorobenzene	257		ug/kg wet	249.8		103	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	250		ug/kg wet	249.8		100	80-120			

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**Classical Chemistry Parameters - Quality Control**  
**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A006213 - % Solids**

<b>Duplicate (A006213-DUP1)</b>	<b>Source: A202705-01</b>		Prepared: 06/30/2020		Analyzed: 07/01/2020 07:50					
% Solids	73.2	0.00	% by Weight		73.5			0.361	20	

**Batch A006214 - % Solids**

<b>Duplicate (A006214-DUP1)</b>	<b>Source: A202708-11</b>		Prepared: 06/30/2020		Analyzed: 07/01/2020 07:50					
% Solids	56.7	0.00	% by Weight		56.3			0.597	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- HC Results may be biased high because of high continuing calibration verification (CCV).
- D Data reported from a dilution
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12620

Page: 1 of 2

Project Number:		PO Number:		Lab Work Order #: <b>A202708</b>				Report To:																	
Project Name: <b>910 Mayer LLC - EDC Investigation</b>		Project Location (City, State): <b>Madison, WI</b>		Preservation Codes				Company:																	
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		If Rush, Report Due Date: <b>ASAP</b>		Analyses Requested				Address 1:																	
Sampled By (Print): <b>Chris Burrows</b>				<table border="1" style="width:100%; text-align: center;"> <tr> <td style="width:5%;">F</td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> </table>				F																Address 2:	
F																									
Sample Description		Collection		<table border="1" style="width:100%; text-align: center;"> <tr> <td style="width:5%;">Matrix</td> <td style="width:5%;">Total # of Containers</td> <td style="width:5%;">VOL</td> <td style="width:5%;">MS/MSD</td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> </table>				Matrix	Total # of Containers	VOL	MS/MSD													E-mail Address:	
Matrix	Total # of Containers	VOL	MS/MSD																						
								Invoice To:																	
								Company:																	
								Address 1:																	
								Address 2:																	
								Comments																	
								Lab ID																	
								Lab Receipt Time																	
TS-GP-9 (0-1) 20200630		6-30-20 1325		S 4 X				PID=5.8 01																	
TS-GP-9 (6-7) 20200630		1330		X				PID=0.4 02																	
TS-GP-9 (11-12) 20200630		1335		X				PID=0.1 03																	
TS-GP-9 (13-14) 20200630		1340		X X				PID=0.0 04																	
TS-GP-10 (3-4) 20200630		1425		X				PID=0.1 05																	
TS-GP-10 (4-5) 20200630		1430		X				PID=0.0 06																	
TS-GP-10 (7-8) 20200630		1435		X				PID=0.0 07																	
TS-GP-10 (11-12) 20200630		1440		X				PID=0.0 08																	
TS-GP-11 (2-3) 20200630		1510		X				PID=0.0 09																	
TS-GP-11 (6-7) 20200630		1515		X				PID=0.2 10																	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>		Relinquished By: <i>Chris Burrows</i>		Date: <b>6-30-20</b>		Time: <b>16:30</b>																	
				Relinquished By:		Date:		Time:																	
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <b>Pick Up</b>		Receipt Temp: <b>on ice</b>																	
						Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																	

Page 61 of 62 A202708 FINAL 07 09 2020 1442



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12621

Page: 2 of 2

Lab Work Order #: <b>A202708</b>		Report To:	
Preservation Codes		Company:	
Analyses Requested		Address 1:	
		Address 2:	
		E-mail Address:	
Invoice To:		Company:	
Address 1:		Address 2:	
Comments		Lab ID	Lab Receipt Time

Project Number: PO Number:

Project Name: **910 Mayer LLC - EDC Investigation**

Project Location (City, State):

Turn Around (check one):  Normal  Rush

If Rush, Report Due Date: **ASAP**

Sampled By (Print): **Chris Burrows**

Sample Description	Collection		Matrix	Total # of Containers	VOCs
	Date	Time			

Sample Description	Collection		Matrix	Total # of Containers	VOCs
	Date	Time			
TS-GP-11 (9-10) - 20200630	6-30	1520	S	4	X
TS-GP-11 (12-13) - 20200630		1525			X
TS-GP-12 (0-1) - 20200630		1550			X
TS-GP-12 (4-5) - 20200630		1555			X
TS-GP-12 (10-11) - 20200630		1600			X
<del>TS-GP-12 Dup-2</del> - 20200630		-			X
Dup-3 - 20200630		-	↓	↓	X
TS-VAS-024-WG - 95-100 - 20200630		1515	W	3	X
TS-VAS-024-WG - 90-95 - 20200630		1420		3	X
TS-VAS-024 - IW-P3W - 20200630		1430	↓	3	X

**Preservation Codes**  
 A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>  
 D=HNO<sub>3</sub> E=EnCore F=Methanol  
 G=NaOH O=Other (Indicate)

**Matrix Codes**  
 A=Air S=Soil W=Water O=Other

**Other Comments:**  
 Sample labeled TS-GP-12  
 (11-12), mp  
 6/30/20

Relinquished By: *Chris Burrows*  
 Date: 6-30-20 Time: 1630  
 Relinquished By:  
 Date: Time:  
 Custody Seal:  NA  Intact  Not Intact

Shipped Via: **Pick Up**  
 Receipt Temp: **On Ice**

Received By: *[Signature]*  
 Date: 6/30/20 Time: 17:00  
 Received By:  
 Date: Time:  
 Thermometer #/ Exp. Date:  
 Temp Blank:  Y  N

Page 62 of 62 A202708 FINAL 07 09 2020 1442



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 07/01/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-VAS-024-WG-100-105-20200630	A202709-01	Water	06/30/2020	07/01/2020
TS-VAS-024-WG-105-110-20200630	A202709-02	Water	06/30/2020	07/01/2020

### CASE NARRATIVE

#### **Sample Receipt Information:**

Two samples were received on 07/01/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

#### **Laboratory Control Samples (LCS):**

The E1 footnote on samples A202709-01 and A202709-02 indicates that there were quality control sample exceedances for multiple analytes for the volatiles analysis. The LCS recoveries were below acceptable limits. Please see the quality control section of the report for more information.

#### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A202709-01 and A202709-02 states that there was a low CCV recovery for vinyl chloride. The lower control limit is 80% and the lowest recovery was 77.6%.



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-100-105-20200630**

**A202709-01 (Water)**

Date Sampled  
**06/30/2020 17:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007099**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>0.65</b>	0.078	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
2-Butanone	ND	3.0	20	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
2-Hexanone	ND	0.95	20	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
Bromoform	ND	0.088	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
Carbon disulfide	ND	0.053	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Chloromethane	ND	0.16	2.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
Dibromochloromethane	ND	0.091	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-100-105-20200630**

**A202709-01 (Water)**

**Date Sampled**  
**06/30/2020 17:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007099**

Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Diisopropyl Ether	ND	0.15	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Isopropylbenzene	ND	0.081	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
<b>Methylene chloride</b>	<b>0.16</b>	0.14	2.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	J, B
Naphthalene	ND	0.088	5.0	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
Styrene	ND	0.065	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Tetrachloroethene	ND	0.081	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
Tetrahydrofuran	ND	1.2	10	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
<b>Toluene</b>	<b>0.060</b>	0.053	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	J
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	E1
Trichloroethene	ND	0.062	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	
<b>Vinyl chloride</b>	<b>0.23</b>	0.16	0.50	ug/L	1	07/01/2020	07/02/2020 11:27	EPA 8260B	J, LC
Surrogate: Toluene-d8			92.8 %	82.5-107		07/01/2020	07/02/2020 11:27	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			75.7 %	78.3-109		07/01/2020	07/02/2020 11:27	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			94.6 %	80-120		07/01/2020	07/02/2020 11:27	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-105-110-20200630**

**A202709-02 (Water)**

**Date Sampled**  
**06/30/2020 18:05**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007099**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,1,1-Trichloroethane	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.099	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
1,1,2-Trichloroethane	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.13	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,1-Dichloroethane	ND	0.12	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,1-Dichloroethene	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,1-Dichloropropene	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,2,3-Trichlorobenzene	ND	0.045	2.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,2,3-Trichloropropane	ND	0.15	1.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	0.077	2.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	M
1,2,4-Trimethylbenzene	ND	0.060	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
1,2-Dibromo-3-chloropropane	ND	0.25	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.13	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,2-Dichlorobenzene	ND	0.076	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,2-Dichloroethane	ND	0.078	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,2-Dichloropropane	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1, M
1,3,5-Trimethylbenzene	ND	0.075	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
1,3-Dichlorobenzene	ND	0.096	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,3-Dichloropropane	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
1,4-Dichlorobenzene	ND	0.070	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
2,2-Dichloropropane	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	M
2-Butanone	ND	3.0	20	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
2-Chlorotoluene	ND	0.075	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
2-Hexanone	ND	0.95	20	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
4-Chlorotoluene	ND	0.073	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
4-Methyl-2-pentanone	ND	0.77	20	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Acetone	ND	3.4	20	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Benzene	ND	0.089	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Bromobenzene	ND	0.084	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Bromochloromethane	ND	0.31	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Bromodichloromethane	ND	0.077	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1, M
Bromoform	ND	0.088	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1, M
Carbon disulfide	ND	0.053	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Carbon tetrachloride	ND	0.038	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Chlorobenzene	ND	0.073	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Chloroform	ND	0.062	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Chloromethane	ND	0.16	2.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.061	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1, M
Dibromochloromethane	ND	0.091	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Dibromomethane	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Dichlorodifluoromethane	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**TS-VAS-024-WG-105-110-20200630**

**A202709-02 (Water)**

**Date Sampled**  
**06/30/2020 18:05**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007099**

Diisopropyl Ether	ND	0.15	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Ethylbenzene	ND	0.054	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Hexachlorobutadiene	ND	0.13	2.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	M
Isopropylbenzene	ND	0.081	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
m,p-Xylene	ND	0.057	1.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Methyl t-Butyl Ether	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
<b>Methylene chloride</b>	<b>0.18</b>	0.14	2.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	J, B
Naphthalene	ND	0.088	5.0	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
n-Butyl Benzene	ND	0.14	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
n-Propyl Benzene	ND	0.10	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
o-Xylene	ND	0.058	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
p-Isopropyltoluene	ND	0.085	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
sec-Butyl Benzene	ND	0.13	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1
Styrene	ND	0.065	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
tert-Butylbenzene	ND	0.12	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Tetrachloroethene	ND	0.081	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	M
Tetrahydrofuran	ND	1.2	10	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Toluene	ND	0.053	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.11	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.096	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	E1, M
Trichloroethene	ND	0.062	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	
Vinyl chloride	ND	0.16	0.50	ug/L	1	07/01/2020	07/02/2020 11:56	EPA 8260B	LC
Surrogate: Toluene-d8			92.4 %	82.5-107		07/01/2020	07/02/2020 11:56	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			74.4 %	78.3-109		07/01/2020	07/02/2020 11:56	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			93.6 %	80-120		07/01/2020	07/02/2020 11:56	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007099 - EPA 5030B**

**Blank (A007099-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/02/2020 10:59

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,2-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,1-Dichloropropene	ND	0.50	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trimethylbenzene	ND	0.50	ug/L							
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L							
1,2-Dibromoethane (EDB)	ND	0.50	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.50	ug/L							
1,3-Dichlorobenzene	ND	0.50	ug/L							
1,3-Dichloropropane	ND	0.50	ug/L							
1,4-Dichlorobenzene	ND	0.50	ug/L							
2-Butanone	ND	20	ug/L							
2-Chlorotoluene	ND	0.50	ug/L							
2-Hexanone	ND	20	ug/L							
4-Chlorotoluene	ND	0.50	ug/L							
4-Methyl-2-pentanone	ND	20	ug/L							
Acetone	ND	20	ug/L							
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	ug/L							
Bromochloromethane	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	0.50	ug/L							
Carbon disulfide	ND	0.50	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	2.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
cis-1,3-Dichloropropene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dibromomethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Diisopropyl Ether	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
Isopropylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007099 - EPA 5030B**

**Blank (A007099-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/02/2020 10:59

Methyl t-Butyl Ether	ND	0.50	ug/L							
Methylene chloride	0.43	2.0	ug/L							J
Naphthalene	ND	5.0	ug/L							
n-Butyl Benzene	ND	0.50	ug/L							
n-Propyl Benzene	ND	0.50	ug/L							
o-Xylene	ND	0.50	ug/L							
p-Isopropyltoluene	ND	0.50	ug/L							
sec-Butyl Benzene	ND	0.50	ug/L							
Styrene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
trans-1,3-Dichloropropene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
<i>Surrogate: Toluene-d8</i>	<i>9.14</i>		<i>ug/L</i>	<i>10.00</i>		<i>91.4</i>	<i>82.5-107</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>7.34</i>		<i>ug/L</i>	<i>10.00</i>		<i>73.4</i>	<i>78.3-109</i>			S
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>8.93</i>		<i>ug/L</i>	<i>10.00</i>		<i>89.3</i>	<i>80-120</i>			

**LCS (A007099-BS1)**

Prepared: 07/01/2020 Analyzed: 07/02/2020 13:51

1,1,1,2-Tetrachloroethane	4.45	0.50	ug/L	5.000		89.0	80-120			
1,1,1-Trichloroethane	4.29	0.50	ug/L	5.000		85.8	84.5-127			
1,1,2,2-Tetrachloroethane	3.89	0.50	ug/L	5.000		77.8	82.1-119			
1,1,2-Trichloroethane	4.55	0.50	ug/L	5.000		91.0	87.5-116			
1,1,2-Trichlorotrifluoroethane	5.21	0.50	ug/L	5.000		104	74.5-142			
1,1-Dichloroethane	4.60	0.50	ug/L	5.000		92.0	78-134			
1,1-Dichloroethene	5.00	0.50	ug/L	5.000		100	60.6-148			
1,1-Dichloropropene	4.54	0.50	ug/L	5.000		90.8	84.8-124			
1,2,3-Trichlorobenzene	5.65	2.0	ug/L	5.000		113	80-120			
1,2,3-Trichloropropane	4.02	1.0	ug/L	5.000		80.4	80.9-123			
1,2,4-Trichlorobenzene	5.29	2.0	ug/L	5.000		106	77.7-109			
1,2,4-Trimethylbenzene	4.24	0.50	ug/L	5.000		84.8	86.7-115			
1,2-Dibromo-3-chloropropane	3.60	0.50	ug/L	5.000		72.0	66.6-125			
1,2-Dibromoethane (EDB)	4.65	0.50	ug/L	5.000		93.0	80-120			
1,2-Dichlorobenzene	5.07	0.50	ug/L	5.000		101	80-120			
1,2-Dichloroethane	4.83	0.50	ug/L	5.000		96.6	78.9-134			
1,2-Dichloropropane	4.15	0.50	ug/L	5.000		83.0	88.8-116			
1,3,5-Trimethylbenzene	4.20	0.50	ug/L	5.000		84.0	88.8-114			
1,3-Dichlorobenzene	4.94	0.50	ug/L	5.000		98.8	80-120			
1,3-Dichloropropane	4.66	0.50	ug/L	5.000		93.2	89-116			
1,4-Dichlorobenzene	5.01	0.50	ug/L	5.000		100	80-120			
2,2-Dichloropropane	3.58	0.50	ug/L	5.000		71.6	69.1-130			
2-Butanone	43.2	20	ug/L	50.00		86.5	66.1-143			
2-Chlorotoluene	4.30	0.50	ug/L	5.000		86.0	88.5-114			
2-Hexanone	39.0	20	ug/L	50.00		77.9	74.1-132			
4-Chlorotoluene	4.33	0.50	ug/L	5.000		86.6	87.1-115			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007099 - EPA 5030B**

**LCS (A007099-BS1)**

Prepared: 07/01/2020 Analyzed: 07/02/2020 13:51

4-Methyl-2-pentanone	39.7	20	ug/L	50.00		79.4	78.3-130			
Acetone	38.1	20	ug/L	50.00		76.1	47.3-164			
Benzene	4.53	0.50	ug/L	5.000		90.6	84.5-121			
Bromobenzene	4.15	0.50	ug/L	5.000		83.0	80-120			
Bromochloromethane	4.74	0.50	ug/L	5.000		94.8	83.3-126			
Bromodichloromethane	4.10	0.50	ug/L	5.000		82.0	88.5-115			
Bromoform	3.67	0.50	ug/L	5.000		73.4	79.1-114			
Carbon disulfide	4.14	0.50	ug/L	5.000		82.8	58.3-141			
Carbon tetrachloride	4.48	0.50	ug/L	5.000		89.6	74.6-130			
Chlorobenzene	5.21	0.50	ug/L	5.000		104	80-120			
Chloroform	4.69	0.50	ug/L	5.000		93.8	79.4-131			
Chloromethane	3.25	2.0	ug/L	5.000		65.0	64.9-141			
cis-1,2-Dichloroethene	5.21	0.50	ug/L	5.000		104	86.4-119			
cis-1,3-Dichloropropene	3.90	0.50	ug/L	5.000		78.0	85.5-114			
Dibromochloromethane	4.40	0.50	ug/L	5.000		88.0	86.2-113			
Dibromomethane	4.62	0.50	ug/L	5.000		92.4	87.6-117			
Dichlorodifluoromethane	4.51	0.50	ug/L	5.000		90.2	70.1-142			
Diisopropyl Ether	4.78	0.50	ug/L	5.000		95.6	79.9-131			
Ethylbenzene	4.80	0.50	ug/L	5.000		96.0	80-120			
Hexachlorobutadiene	6.53	2.0	ug/L	5.000		131	80.1-122			
Isopropylbenzene	4.28	0.50	ug/L	5.000		85.6	80-120			
m,p-Xylene	9.53	1.0	ug/L	10.00		95.3	80-120			
Methyl t-Butyl Ether	4.64	0.50	ug/L	5.000		92.8	77.4-133			
Methylene chloride	4.78	2.0	ug/L	5.000		95.6	74-136			B
Naphthalene	4.42	5.0	ug/L	5.000		88.4	74.3-114			J
n-Butyl Benzene	4.20	0.50	ug/L	5.000		84.0	82.2-117			
n-Propyl Benzene	4.43	0.50	ug/L	5.000		88.6	86.1-116			
o-Xylene	4.55	0.50	ug/L	5.000		91.0	80-120			
p-Isopropyltoluene	4.58	0.50	ug/L	5.000		91.6	86.5-114			
sec-Butyl Benzene	4.25	0.50	ug/L	5.000		85.0	88.4-114			
Styrene	4.65	0.50	ug/L	5.000		93.0	80-120			
tert-Butylbenzene	4.70	0.50	ug/L	5.000		94.0	85.7-117			
Tetrachloroethene	5.74	0.50	ug/L	5.000		115	83.6-115			
Tetrahydrofuran	48.3	10	ug/L	50.00		96.7	67.5-147			
Toluene	4.77	0.50	ug/L	5.000		95.4	87-113			
trans-1,2-Dichloroethene	4.97	0.50	ug/L	5.000		99.4	80.8-125			
trans-1,3-Dichloropropene	3.62	0.50	ug/L	5.000		72.4	84.7-114			
Trichloroethene	5.11	0.50	ug/L	5.000		102	80-120			
Vinyl chloride	3.62	0.50	ug/L	5.000		72.4	66.2-141			
Surrogate: Toluene-d8	4.76		ug/L	5.000		95.2	82.5-107			
Surrogate: 4-Bromofluorobenzene	3.97		ug/L	5.000		79.4	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	4.94		ug/L	5.000		98.8	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007099 - EPA 5030B**

Matrix Spike (A007099-MS1)	Source: A202709-02		Prepared: 07/01/2020		Analyzed: 07/02/2020 12:53					
1,1,1,2-Tetrachloroethane	4.72	0.50	ug/L	5.000	ND	94.4	80-120			
1,1,1-Trichloroethane	4.25	0.50	ug/L	5.000	ND	85.0	79.6-133			
1,1,2,2-Tetrachloroethane	4.01	0.50	ug/L	5.000	ND	80.2	77.7-125			
1,1,2-Trichloroethane	4.61	0.50	ug/L	5.000	ND	92.2	84.7-121			
1,1,2-Trichlorotrifluoroethane	5.30	0.50	ug/L	5.000	ND	106	88.5-154			
1,1-Dichloroethane	4.57	0.50	ug/L	5.000	ND	91.4	61-149			
1,1-Dichloroethene	5.09	0.50	ug/L	5.000	ND	102	35.8-173			
1,1-Dichloropropene	4.55	0.50	ug/L	5.000	ND	91.0	84.3-123			
1,2,3-Trichlorobenzene	5.73	2.0	ug/L	5.000	ND	115	80-120			
1,2,3-Trichloropropane	4.21	1.0	ug/L	5.000	ND	84.2	74.6-133			
1,2,4-Trichlorobenzene	5.50	2.0	ug/L	5.000	ND	110	77.1-108			M
1,2,4-Trimethylbenzene	4.28	0.50	ug/L	5.000	ND	85.6	74.5-122			
1,2-Dibromo-3-chloropropane	3.42	0.50	ug/L	5.000	ND	68.4	65.5-130			
1,2-Dibromoethane (EDB)	4.55	0.50	ug/L	5.000	ND	91.0	80-120			
1,2-Dichlorobenzene	5.27	0.50	ug/L	5.000	ND	105	80-120			
1,2-Dichloroethane	4.97	0.50	ug/L	5.000	ND	99.4	71.8-143			
1,2-Dichloropropane	4.15	0.50	ug/L	5.000	ND	83.0	87.6-117			M
1,3,5-Trimethylbenzene	4.31	0.50	ug/L	5.000	ND	86.2	78.8-119			
1,3-Dichlorobenzene	5.13	0.50	ug/L	5.000	ND	103	80-120			
1,3-Dichloropropane	4.79	0.50	ug/L	5.000	ND	95.8	88.3-119			
1,4-Dichlorobenzene	5.12	0.50	ug/L	5.000	ND	102	80-120			
2,2-Dichloropropane	3.52	0.50	ug/L	5.000	ND	70.4	71.6-129			M
2-Butanone	62.4	20	ug/L	50.00	ND	125	56.9-161			
2-Chlorotoluene	4.35	0.50	ug/L	5.000	ND	87.0	80-120			
2-Hexanone	48.8	20	ug/L	50.00	ND	97.6	68.2-140			
4-Chlorotoluene	4.39	0.50	ug/L	5.000	ND	87.8	80-120			
4-Methyl-2-pentanone	41.9	20	ug/L	50.00	ND	83.8	74.6-138			
Acetone	77.9	20	ug/L	50.00	ND	156	43.3-196			
Benzene	4.62	0.50	ug/L	5.000	ND	92.4	81-123			
Bromobenzene	4.18	0.50	ug/L	5.000	ND	83.6	80-120			
Bromochloromethane	4.98	0.50	ug/L	5.000	ND	99.6	75.2-140			
Bromodichloromethane	4.19	0.50	ug/L	5.000	ND	83.8	85.1-119			M
Bromoform	3.67	0.50	ug/L	5.000	ND	73.4	75.5-117			M
Carbon disulfide	4.16	0.50	ug/L	5.000	ND	83.2	43.1-163			
Carbon tetrachloride	4.38	0.50	ug/L	5.000	ND	87.6	70.8-137			
Chlorobenzene	5.25	0.50	ug/L	5.000	ND	105	80-120			
Chloroform	4.91	0.50	ug/L	5.000	ND	98.2	73.3-138			
Chloromethane	3.74	2.0	ug/L	5.000	ND	74.8	55.9-143			
cis-1,2-Dichloroethene	5.26	0.50	ug/L	5.000	ND	105	81.7-124			
cis-1,3-Dichloropropene	4.02	0.50	ug/L	5.000	ND	80.4	85.1-113			M
Dibromochloromethane	4.72	0.50	ug/L	5.000	ND	94.4	84.4-114			
Dibromomethane	4.65	0.50	ug/L	5.000	ND	93.0	91.2-119			
Dichlorodifluoromethane	4.84	0.50	ug/L	5.000	ND	96.8	85.4-139			
Diisopropyl Ether	4.89	0.50	ug/L	5.000	ND	97.8	79.5-133			
Ethylbenzene	4.99	0.50	ug/L	5.000	ND	99.8	80-120			
Hexachlorobutadiene	6.42	2.0	ug/L	5.000	ND	128	78.4-120			M
Isopropylbenzene	4.24	0.50	ug/L	5.000	ND	84.8	84.7-114			



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007099 - EPA 5030B**

Matrix Spike (A007099-MS1)	Source: A202709-02		Prepared: 07/01/2020		Analyzed: 07/02/2020 12:53					
m,p-Xylene	9.57	1.0	ug/L	10.00	ND	95.7	80-120			
Methyl t-Butyl Ether	4.77	0.50	ug/L	5.000	ND	95.4	73-147			
Methylene chloride	4.52	2.0	ug/L	5.000	0.180	86.8	64.1-146			B
Naphthalene	4.40	5.0	ug/L	5.000	ND	88.0	75.3-111			J
n-Butyl Benzene	4.26	0.50	ug/L	5.000	ND	85.2	81.7-115			
n-Propyl Benzene	4.50	0.50	ug/L	5.000	ND	90.0	86.5-112			
o-Xylene	4.75	0.50	ug/L	5.000	ND	95.0	85.8-112			
p-Isopropyltoluene	4.63	0.50	ug/L	5.000	ND	92.6	82.5-114			
sec-Butyl Benzene	4.28	0.50	ug/L	5.000	ND	85.6	85-114			
Styrene	4.75	0.50	ug/L	5.000	ND	95.0	80-120			
tert-Butylbenzene	4.63	0.50	ug/L	5.000	ND	92.6	82.4-117			
Tetrachloroethene	5.89	0.50	ug/L	5.000	ND	118	85.2-114			M
Tetrahydrofuran	51.0	10	ug/L	50.00	ND	102	65.8-161			
Toluene	4.86	0.50	ug/L	5.000	ND	97.2	81.9-112			
trans-1,2-Dichloroethene	5.10	0.50	ug/L	5.000	ND	102	81.8-123			
trans-1,3-Dichloropropene	3.68	0.50	ug/L	5.000	ND	73.6	84.4-114			M
Trichloroethene	5.08	0.50	ug/L	5.000	ND	102	80-120			
Vinyl chloride	3.70	0.50	ug/L	5.000	ND	74.0	64-147			
Surrogate: Toluene-d8	4.82		ug/L	5.000		96.4	82.5-107			
Surrogate: 4-Bromofluorobenzene	4.05		ug/L	5.000		81.0	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	5.11		ug/L	5.000		102	80-120			

Matrix Spike Dup (A007099-MSD1)	Source: A202709-02		Prepared: 07/01/2020		Analyzed: 07/02/2020 13:22					
1,1,1,2-Tetrachloroethane	4.84	0.50	ug/L	5.000	ND	96.8	80-120	2.51	20	
1,1,1-Trichloroethane	4.40	0.50	ug/L	5.000	ND	88.0	79.6-133	3.47	20	
1,1,2,2-Tetrachloroethane	4.05	0.50	ug/L	5.000	ND	81.0	77.7-125	0.993	20	
1,1,2-Trichloroethane	4.68	0.50	ug/L	5.000	ND	93.6	84.7-121	1.51	20	
1,1,2-Trichlorotrifluoroethane	5.20	0.50	ug/L	5.000	ND	104	88.5-154	1.90	20	
1,1-Dichloroethane	4.69	0.50	ug/L	5.000	ND	93.8	61-149	2.59	20	
1,1-Dichloroethene	5.13	0.50	ug/L	5.000	ND	103	35.8-173	0.783	20	
1,1-Dichloropropene	4.62	0.50	ug/L	5.000	ND	92.4	84.3-123	1.53	20	
1,2,3-Trichlorobenzene	5.91	2.0	ug/L	5.000	ND	118	80-120	3.09	20	
1,2,3-Trichloropropane	4.43	1.0	ug/L	5.000	ND	88.6	74.6-133	5.09	20	
1,2,4-Trichlorobenzene	5.81	2.0	ug/L	5.000	ND	116	77.1-108	5.48	20	M
1,2,4-Trimethylbenzene	4.39	0.50	ug/L	5.000	ND	87.8	74.5-122	2.54	20	
1,2-Dibromo-3-chloropropane	3.78	0.50	ug/L	5.000	ND	75.6	65.5-130	10.0	20	
1,2-Dibromoethane (EDB)	4.92	0.50	ug/L	5.000	ND	98.4	80-120	7.81	20	
1,2-Dichlorobenzene	5.52	0.50	ug/L	5.000	ND	110	80-120	4.63	20	
1,2-Dichloroethane	5.10	0.50	ug/L	5.000	ND	102	71.8-143	2.58	20	
1,2-Dichloropropane	4.28	0.50	ug/L	5.000	ND	85.6	87.6-117	3.08	20	M
1,3,5-Trimethylbenzene	4.33	0.50	ug/L	5.000	ND	86.6	78.8-119	0.463	20	
1,3-Dichlorobenzene	5.18	0.50	ug/L	5.000	ND	104	80-120	0.970	20	
1,3-Dichloropropane	4.94	0.50	ug/L	5.000	ND	98.8	88.3-119	3.08	20	
1,4-Dichlorobenzene	5.24	0.50	ug/L	5.000	ND	105	80-120	2.32	20	
2,2-Dichloropropane	3.73	0.50	ug/L	5.000	ND	74.6	71.6-129	5.79	20	
2-Butanone	67.1	20	ug/L	50.00	ND	134	56.9-161	7.25	20	
2-Chlorotoluene	4.45	0.50	ug/L	5.000	ND	89.0	80-120	2.27	20	
2-Hexanone	52.1	20	ug/L	50.00	ND	104	68.2-140	6.44	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007099 - EPA 5030B**

**Matrix Spike Dup (A007099-MSD1)**

Source: A202709-02

Prepared: 07/01/2020 Analyzed: 07/02/2020 13:22

4-Chlorotoluene	4.48	0.50	ug/L	5.000	ND	89.6	80-120	2.03	20	
4-Methyl-2-pentanone	44.8	20	ug/L	50.00	ND	89.6	74.6-138	6.66	20	
Acetone	86.1	20	ug/L	50.00	ND	172	43.3-196	9.99	20	
Benzene	4.74	0.50	ug/L	5.000	ND	94.8	81-123	2.56	20	
Bromobenzene	4.22	0.50	ug/L	5.000	ND	84.4	80-120	0.952	20	
Bromochloromethane	4.97	0.50	ug/L	5.000	ND	99.4	75.2-140	0.201	20	
Bromodichloromethane	4.55	0.50	ug/L	5.000	ND	91.0	85.1-119	8.24	20	
Bromoform	3.88	0.50	ug/L	5.000	ND	77.6	75.5-117	5.56	20	
Carbon disulfide	4.33	0.50	ug/L	5.000	ND	86.6	43.1-163	4.00	20	
Carbon tetrachloride	4.51	0.50	ug/L	5.000	ND	90.2	70.8-137	2.92	20	
Chlorobenzene	5.34	0.50	ug/L	5.000	ND	107	80-120	1.70	20	
Chloroform	5.14	0.50	ug/L	5.000	ND	103	73.3-138	4.58	20	
Chloromethane	3.50	2.0	ug/L	5.000	ND	70.0	55.9-143	6.63	20	
cis-1,2-Dichloroethene	5.19	0.50	ug/L	5.000	ND	104	81.7-124	1.34	20	
cis-1,3-Dichloropropene	4.09	0.50	ug/L	5.000	ND	81.8	85.1-113	1.73	20	M
Dibromochloromethane	4.86	0.50	ug/L	5.000	ND	97.2	84.4-114	2.92	20	
Dibromomethane	4.84	0.50	ug/L	5.000	ND	96.8	91.2-119	4.00	20	
Dichlorodifluoromethane	4.73	0.50	ug/L	5.000	ND	94.6	85.4-139	2.30	20	
Diisopropyl Ether	5.13	0.50	ug/L	5.000	ND	103	79.5-133	4.79	20	
Ethylbenzene	5.00	0.50	ug/L	5.000	ND	100	80-120	0.200	20	
Hexachlorobutadiene	6.65	2.0	ug/L	5.000	ND	133	78.4-120	3.52	20	M
Isopropylbenzene	4.38	0.50	ug/L	5.000	ND	87.6	84.7-114	3.25	20	
m,p-Xylene	9.69	1.0	ug/L	10.00	ND	96.9	80-120	1.25	20	
Methyl t-Butyl Ether	5.02	0.50	ug/L	5.000	ND	100	73-147	5.11	20	
Methylene chloride	4.57	2.0	ug/L	5.000	0.180	87.8	64.1-146	1.10	20	B
Naphthalene	4.79	5.0	ug/L	5.000	ND	95.8	75.3-111	8.49	20	J
n-Butyl Benzene	4.36	0.50	ug/L	5.000	ND	87.2	81.7-115	2.32	20	
n-Propyl Benzene	4.61	0.50	ug/L	5.000	ND	92.2	86.5-112	2.41	20	
o-Xylene	4.78	0.50	ug/L	5.000	ND	95.6	85.8-112	0.630	20	
p-Isopropyltoluene	4.69	0.50	ug/L	5.000	ND	93.8	82.5-114	1.29	20	
sec-Butyl Benzene	4.33	0.50	ug/L	5.000	ND	86.6	85-114	1.16	20	
Styrene	4.91	0.50	ug/L	5.000	ND	98.2	80-120	3.31	20	
tert-Butylbenzene	4.69	0.50	ug/L	5.000	ND	93.8	82.4-117	1.29	20	
Tetrachloroethene	5.82	0.50	ug/L	5.000	ND	116	85.2-114	1.20	20	M
Tetrahydrofuran	53.2	10	ug/L	50.00	ND	106	65.8-161	4.19	20	
Toluene	4.93	0.50	ug/L	5.000	ND	98.6	81.9-112	1.43	20	
trans-1,2-Dichloroethene	5.23	0.50	ug/L	5.000	ND	105	81.8-123	2.52	20	
trans-1,3-Dichloropropene	3.90	0.50	ug/L	5.000	ND	78.0	84.4-114	5.80	20	M
Trichloroethene	5.23	0.50	ug/L	5.000	ND	105	80-120	2.91	20	
Vinyl chloride	3.68	0.50	ug/L	5.000	ND	73.6	64-147	0.542	20	
Surrogate: Toluene-d8	4.85		ug/L	5.000		97.0	82.5-107			
Surrogate: 4-Bromofluorobenzene	4.07		ug/L	5.000		81.4	78.3-109			
Surrogate: 1,2-Dichlorobenzene-d4	5.23		ug/L	5.000		105	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 0441161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- S Surrogate recovery was outside of laboratory control limits.
- M The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- E1 Estimated value because of quality control sample exceedances.
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12622

Page: of:

Project Number: <b>0441161</b>		PO Number:		Lab Work Order #: <b>A202709</b>		Report To:																																																										
Project Name: <b>910 Mayer LLC</b>		Preservation Codes		Analyses Requested		Company:																																																										
Project Location (City, State): <b>Madison, WI</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Matrix</td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Total # of Containers</td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">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></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></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><td></td><td></td><td></td><td></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><td></td><td></td><td></td><td></td></tr> </table>		Matrix	Total # of Containers	VOCs																																																									Address 1:	
Matrix	Total # of Containers						VOCs																																																									
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		If Rush, Report Due Date: <b>ASAP - Same Day</b>		Sampled By (Print): <b>RYAN plath</b>		E-mail Address:																																																										
Sample Description		Collection		Matrix		Total # of Containers		VOCs		Comments		Lab ID		Lab Receipt Time																																																		
		Date	Time																																																													
TS-VAS-024-WG-100-105-20200630		6/30/2020	1700	GW	3	X						01																																																				
TS-VAS-024-WG-105-110-20200630		6/30/2020	1805	GW	3	X						02																																																				
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>  		Relinquished By: <i>[Signature]</i> <b>0249</b> Date: <b>7/11/2020</b> Time: <b>0745</b>		Received By: <i>[Signature]</i> Date: <b>07/01/2020</b> Time: <b>0746</b>																																																										
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <b>Pace</b>		Receipt Temp: <b>on ice</b>		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																																																						

Page 14 of 14 A202709 FINAL 07 09 2020 1450

Employee



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 07/01/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-GP-13(1-2)-20200701	A202712-01	Soil	07/01/2020	07/01/2020
TS-GP-13(4-5)-20200701	A202712-02	Soil	07/01/2020	07/01/2020
TS-GP-13(9-10)-20200701	A202712-03	Soil	07/01/2020	07/01/2020
TS-GP-13(12-13)-20200701	A202712-04	Soil	07/01/2020	07/01/2020
TS-GP-14(0-1)-20200701	A202712-05	Soil	07/01/2020	07/01/2020
TS-GP-14(5-6)-20200701	A202712-06	Soil	07/01/2020	07/01/2020
TS-GP-14(9-10)-20200701	A202712-07	Soil	07/01/2020	07/01/2020
TS-GP-14(14-15)-20200701	A202712-08	Soil	07/01/2020	07/01/2020
TS-GP-15(2-3)-20200701	A202712-09	Soil	07/01/2020	07/01/2020
TS-GP-15(7-8)-20200701	A202712-10	Soil	07/01/2020	07/01/2020
TS-GP-15(8-9)-20200701	A202712-11	Soil	07/01/2020	07/01/2020
TS-GP-15(13-14)-20200701	A202712-12	Soil	07/01/2020	07/01/2020
DUP-4-20200701	A202712-13	Soil	07/01/2020	07/01/2020
DUP-5-20200701	A202712-14	Soil	07/01/2020	07/01/2020

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

## **CASE NARRATIVE**

### **Sample Receipt Information:**

14 samples were received on 07/01/2020. Samples were received in acceptable condition.

Please see the chain of custody (COC) document at the end of this report for additional information.

### **Laboratory Control Samples (LCS):**

The E1 footnote on samples A202712-01 through A202712-14 indicates that there were quality control sample exceedances for multiple analytes for the 8260 analysis. The LCS recoveries were below acceptable limits for all analytes qualified E1 with the exception of 2-butanone which had a recovery above acceptable limits. Please see the quality control section of the report for more information.

### **Continuing Calibration Verification (CCV):**

The LC footnote on samples A202712-01, A202712-03, A202712-05 and A202712-07 states that there were low CCV recoveries for 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, 1,2,3-trichloropropane and carbon disulfide. The lower control limits are 70% and the lowest recoveries were 66.0%, 63.8%, 59.4% and 66.2%, respectively.

The LC footnote on samples A202712-11 and A202712-13 states that there were low CCV recoveries for 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, carbon disulfide, methylene chloride, trans-1,2-dichloroethene and vinyl chloride. The lower control limits are 70% or 80% and the lowest recoveries were 48.8%, 43.4%, 45.6%, 64.2%, 68.8% and 75.4%, respectively.

The HC footnote on samples A202712-01 and A202712-07 states that there was a high CCV recovery for 2-butanone. The upper control limit is 130% and the highest recovery was 174%.

The HC footnote on samples A202712-02 and A202712-06 states that there was a high CCV recovery for 1,2-dichloroethane. The upper control limit is 130% and the highest recovery was 172%.

### **Additional Comments:**

The E qualifier on 1,2-dichloroethane for sample A202712-11 indicates that the concentration is above the calibration range. Reported result was approximately 20 times over the calibration range.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(1-2)-20200701**

**A202712-01 (Soil)**

Date Sampled  
**07/01/2020 07:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,1,1-Trichloroethane	ND	11	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.0	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,1,2-Trichloroethane	ND	9.5	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.2	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	14	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,1-Dichloroethene	ND	11	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	5.4	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	8.3	150	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,2,3-Trichloropropane	ND	9.8	75	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1, LC
1,2,4-Trichlorobenzene	ND	9.6	150	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>9.8</b>	5.3	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	17	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.4	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,2-Dichlorobenzene	ND	4.1	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,2-Dichloroethane	ND	6.9	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,2-Dichloropropane	ND	12	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.6	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,3-Dichlorobenzene	ND	7.1	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,3-Dichloropropane	ND	6.9	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
1,4-Dichlorobenzene	ND	6.0	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
2,2-Dichloropropane	ND	15	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
2-Butanone	ND	270	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1, HC
2-Chlorotoluene	ND	3.9	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
2-Hexanone	ND	44	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
4-Chlorotoluene	ND	4.7	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
4-Methyl-2-pentanone	ND	59	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Acetone	ND	230	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Benzene	ND	2.4	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Bromobenzene	ND	7.7	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Bromochloromethane	ND	14	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Bromodichloromethane	ND	5.1	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Bromoform	ND	23	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Carbon disulfide	ND	3.5	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1, LC
Carbon tetrachloride	ND	6.2	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Chlorobenzene	ND	5.6	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Chloroform	ND	5.7	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Chloromethane	ND	12	75	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.4	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Dibromochloromethane	ND	8.0	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Dibromomethane	ND	17	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(1-2)-20200701**

Date Sampled  
**07/01/2020 07:45**

**A202712-01 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Dichlorodifluoromethane	ND	7.7	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Diisopropyl Ether	ND	21	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
<b>Ethylbenzene</b>	<b>42</b>	3.2	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Hexachlorobutadiene	ND	9.6	150	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Isopropylbenzene	ND	3.5	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
<b>m,p-Xylene</b>	<b>210</b>	4.7	75	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Methyl t-Butyl Ether	ND	6.5	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
<b>Methylene chloride</b>	<b>17</b>	11	150	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1, J
Naphthalene	ND	5.7	380	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
n-Butyl Benzene	ND	4.8	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
n-Propyl Benzene	ND	5.1	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
<b>o-Xylene</b>	<b>65</b>	4.5	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
<b>p-Isopropyltoluene</b>	<b>16</b>	4.2	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	J
sec-Butyl Benzene	ND	3.6	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Styrene	ND	6.0	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
tert-Butylbenzene	ND	4.1	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Tetrachloroethene	ND	8.6	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Tetrahydrofuran	ND	170	750	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Toluene	ND	6.0	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.8	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	6.5	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Trichloroethene	ND	6.2	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Vinyl chloride	ND	8.7	38	ug/kg dry	1	07/01/2020	07/01/2020 18:28	EPA 8260B	
Surrogate: Toluene-d8			85.3 %	61.9-110		07/01/2020	07/01/2020 18:28	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			94.1 %	59.1-115		07/01/2020	07/01/2020 18:28	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			82.5 %	80-120		07/01/2020	07/01/2020 18:28	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>78.0</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(4-5)-20200701**

**A202712-02 (Soil)**

**Date Sampled**  
**07/01/2020 07:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	14	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	E1
1,1,1-Trichloroethane	ND	13	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	11	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,1,2-Trichloroethane	ND	11	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.4	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,1-Dichloroethane	ND	17	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,1-Dichloroethene	ND	13	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,1-Dichloropropene	ND	6.5	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,2,3-Trichlorobenzene	ND	9.9	180	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,2,3-Trichloropropane	ND	12	90	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	12	180	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>18</b>	6.3	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	20	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.8	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,2-Dichlorobenzene	ND	4.9	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>340</b>	8.3	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	HC
1,2-Dichloropropane	ND	14	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>1,3,5-Trimethylbenzene</b>	<b>19</b>	4.3	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
1,3-Dichlorobenzene	ND	8.5	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,3-Dichloropropane	ND	8.3	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
1,4-Dichlorobenzene	ND	7.2	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
2,2-Dichloropropane	ND	18	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
2-Butanone	ND	320	1800	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
2-Chlorotoluene	ND	4.7	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
2-Hexanone	ND	52	1800	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
4-Chlorotoluene	ND	5.6	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
4-Methyl-2-pentanone	ND	70	1800	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Acetone	ND	270	1800	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Benzene	ND	2.9	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Bromobenzene	ND	9.2	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Bromochloromethane	ND	17	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Bromodichloromethane	ND	6.1	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Bromoform	ND	27	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Carbon disulfide	ND	4.1	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Carbon tetrachloride	ND	7.4	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Chlorobenzene	ND	6.7	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Chloroform	ND	6.8	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Chloromethane	ND	14	90	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	14	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
cis-1,3-Dichloropropene	ND	10	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Dibromochloromethane	ND	9.5	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Dibromomethane	ND	20	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Dichlorodifluoromethane	ND	9.2	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(4-5)-20200701**

**A202712-02 (Soil)**

**Date Sampled**  
**07/01/2020 07:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

<b>Diisopropyl Ether</b>	<b>71</b>	25	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>Ethylbenzene</b>	<b>15</b>	3.8	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
Hexachlorobutadiene	ND	12	180	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Isopropylbenzene	ND	4.1	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>m,p-Xylene</b>	<b>22</b>	5.6	90	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
Methyl t-Butyl Ether	ND	7.7	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>Methylene chloride</b>	<b>21</b>	13	180	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
<b>Naphthalene</b>	<b>2700</b>	6.8	450	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	B
n-Butyl Benzene	ND	5.8	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
n-Propyl Benzene	ND	6.1	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>o-Xylene</b>	<b>11</b>	5.4	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
<b>p-Isopropyltoluene</b>	<b>14</b>	5.0	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
sec-Butyl Benzene	ND	4.3	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Styrene	ND	7.2	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
tert-Butylbenzene	ND	4.9	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Tetrachloroethene	ND	10	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Tetrahydrofuran	ND	200	900	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
<b>Toluene</b>	<b>14</b>	7.2	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	J
trans-1,2-Dichloroethene	ND	8.1	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
trans-1,3-Dichloropropene	ND	7.7	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Trichloroethene	ND	7.4	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Vinyl chloride	ND	10	45	ug/kg dry	1	07/01/2020	07/01/2020 17:18	EPA 8260B	
Surrogate: Toluene-d8			59.3 %	61.9-110		07/01/2020	07/01/2020 17:18	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			67.6 %	59.1-115		07/01/2020	07/01/2020 17:18	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			57.5 %	80-120		07/01/2020	07/01/2020 17:18	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>69.8</b>	0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(9-10)-20200701**

**A202712-03 (Soil)**

**Date Sampled**  
**07/01/2020 07:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,1,1-Trichloroethane	ND	11	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,1,2-Trichloroethane	ND	9.7	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.3	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	14	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,1-Dichloroethene	ND	11	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	5.5	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	8.5	150	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2,3-Trichloropropane	ND	10	77	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1, LC
1,2,4-Trichlorobenzene	ND	9.9	150	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.4	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	17	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.5	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2-Dichlorobenzene	ND	4.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2-Dichloroethane	ND	7.1	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,2-Dichloropropane	ND	12	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.7	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,3-Dichlorobenzene	ND	7.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,3-Dichloropropane	ND	7.1	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
1,4-Dichlorobenzene	ND	6.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
2,2-Dichloropropane	ND	15	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
2-Butanone	ND	280	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
2-Chlorotoluene	ND	4.0	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
2-Hexanone	ND	45	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
4-Chlorotoluene	ND	4.8	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
4-Methyl-2-pentanone	ND	60	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Acetone	ND	230	1500	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Benzene	ND	2.5	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Bromobenzene	ND	7.9	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Bromochloromethane	ND	15	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Bromodichloromethane	ND	5.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Bromoform	ND	23	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Carbon disulfide	ND	3.5	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1, LC
Carbon tetrachloride	ND	6.3	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Chlorobenzene	ND	5.7	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Chloroform	ND	5.9	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Chloromethane	ND	12	77	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.6	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Dibromochloromethane	ND	8.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Dibromomethane	ND	17	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Dichlorodifluoromethane	ND	7.9	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(9-10)-20200701**

Date Sampled  
**07/01/2020 07:55**

**A202712-03 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	22	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Ethylbenzene	ND	3.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Hexachlorobutadiene	ND	9.9	150	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Isopropylbenzene	ND	3.5	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
m,p-Xylene	ND	4.8	77	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Methyl t-Butyl Ether	ND	6.6	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
<b>Methylene chloride</b>	<b>22</b>	11	150	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1, J
Naphthalene	ND	5.9	390	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
n-Butyl Benzene	ND	4.9	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
n-Propyl Benzene	ND	5.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
o-Xylene	ND	4.6	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
p-Isopropyltoluene	ND	4.3	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
sec-Butyl Benzene	ND	3.7	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Styrene	ND	6.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
tert-Butylbenzene	ND	4.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Tetrachloroethene	ND	8.8	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Tetrahydrofuran	ND	170	770	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
<b>Toluene</b>	<b>7.7</b>	6.2	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	J
trans-1,2-Dichloroethene	ND	6.9	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	6.6	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Trichloroethene	ND	6.3	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	
Vinyl chloride	ND	8.9	39	ug/kg dry	1	07/01/2020	07/01/2020 18:53	EPA 8260B	

Surrogate: Toluene-d8

69.8 % 61.9-110

07/01/2020 07/01/2020 18:53 EPA 8260B

Surrogate: 4-Bromofluorobenzene

75.2 % 59.1-115

07/01/2020 07/01/2020 18:53 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

67.6 % 80-120

07/01/2020 07/01/2020 18:53 EPA 8260B

S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>67.1</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(12-13)-20200701**

**A202712-04 (Soil)**

**Date Sampled**  
**07/01/2020 08:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	5.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	E1
1,1,1-Trichloroethane	ND	5.4	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	4.4	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,1,2-Trichloroethane	ND	4.6	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	3.0	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,1-Dichloroethane	ND	6.8	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,1-Dichloroethene	ND	5.4	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,1-Dichloropropene	ND	2.6	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2,3-Trichlorobenzene	ND	4.0	73	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2,3-Trichloropropane	ND	4.8	37	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	4.7	73	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2,4-Trimethylbenzene	ND	2.6	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	8.1	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	3.6	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2-Dichlorobenzene	ND	2.0	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2-Dichloroethane	ND	3.4	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,2-Dichloropropane	ND	5.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,3,5-Trimethylbenzene	ND	1.8	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,3-Dichlorobenzene	ND	3.5	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,3-Dichloropropane	ND	3.4	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
1,4-Dichlorobenzene	ND	2.9	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
2,2-Dichloropropane	ND	7.3	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
2-Butanone	ND	130	730	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
2-Chlorotoluene	ND	1.9	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
2-Hexanone	ND	21	730	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
4-Chlorotoluene	ND	2.3	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
4-Methyl-2-pentanone	ND	29	730	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Acetone	ND	110	730	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Benzene	ND	1.2	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Bromobenzene	ND	3.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Bromochloromethane	ND	7.1	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Bromodichloromethane	ND	2.5	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Bromoform	ND	11	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Carbon disulfide	ND	1.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Carbon tetrachloride	ND	3.0	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Chlorobenzene	ND	2.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Chloroform	ND	2.8	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Chloromethane	ND	5.8	37	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
cis-1,2-Dichloroethene	ND	5.9	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
cis-1,3-Dichloropropene	ND	4.1	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Dibromochloromethane	ND	3.9	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Dibromomethane	ND	8.1	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Dichlorodifluoromethane	ND	3.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-13(12-13)-20200701**

**A202712-04 (Soil)**

**Date Sampled**  
**07/01/2020 08:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	10	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Ethylbenzene	ND	1.5	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Hexachlorobutadiene	ND	4.7	73	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Isopropylbenzene	ND	1.7	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
m,p-Xylene	ND	2.3	37	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Methyl t-Butyl Ether	ND	3.2	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Methylene chloride	ND	5.1	73	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
<b>Naphthalene</b>	<b>36</b>	2.8	180	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	J, B
n-Butyl Benzene	ND	2.4	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
n-Propyl Benzene	ND	2.5	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
o-Xylene	ND	2.2	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
p-Isopropyltoluene	ND	2.1	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
sec-Butyl Benzene	ND	1.8	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Styrene	ND	2.9	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
tert-Butylbenzene	ND	2.0	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Tetrachloroethene	ND	4.2	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Tetrahydrofuran	ND	81	370	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Toluene	ND	2.9	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
trans-1,2-Dichloroethene	ND	3.3	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
trans-1,3-Dichloropropene	ND	3.2	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Trichloroethene	ND	3.0	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Vinyl chloride	ND	4.3	18	ug/kg dry	1	07/01/2020	07/01/2020 17:45	EPA 8260B	
Surrogate: Toluene-d8			77.1 %	61.9-110		07/01/2020	07/01/2020 17:45	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			84.2 %	59.1-115		07/01/2020	07/01/2020 17:45	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			70.4 %	80-120		07/01/2020	07/01/2020 17:45	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>76.3</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(0-1)-20200701**

Date Sampled  
**07/01/2020 08:15**

**A202712-05 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	13	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,1,1-Trichloroethane	ND	12	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	10	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,1,2-Trichloroethane	ND	11	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	16	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,1-Dichloroethene	ND	12	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	6.0	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	9.2	170	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2,3-Trichloropropane	ND	11	84	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1, LC
1,2,4-Trichlorobenzene	ND	11	170	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	18	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.2	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2-Dichlorobenzene	ND	4.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2-Dichloroethane	ND	7.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,2-Dichloropropane	ND	13	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.0	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,3-Dichlorobenzene	ND	7.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,3-Dichloropropane	ND	7.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
1,4-Dichlorobenzene	ND	6.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
2,2-Dichloropropane	ND	17	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
2-Butanone	ND	300	1700	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
2-Chlorotoluene	ND	4.4	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
2-Hexanone	ND	49	1700	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
4-Chlorotoluene	ND	5.2	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
4-Methyl-2-pentanone	ND	65	1700	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Acetone	ND	250	1700	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Benzene	ND	2.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Bromobenzene	ND	8.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Bromochloromethane	ND	16	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Bromodichloromethane	ND	5.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Bromoform	ND	25	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Carbon disulfide	ND	3.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1, LC
Carbon tetrachloride	ND	6.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Chlorobenzene	ND	6.2	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Chloroform	ND	6.4	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Chloromethane	ND	13	84	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
cis-1,2-Dichloroethene	ND	13	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
cis-1,3-Dichloropropene	ND	9.4	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Dibromochloromethane	ND	8.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Dibromomethane	ND	18	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Dichlorodifluoromethane	ND	8.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(0-1)-20200701**

Date Sampled  
**07/01/2020 08:15**

**A202712-05 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	23	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Ethylbenzene	ND	3.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Hexachlorobutadiene	ND	11	170	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Isopropylbenzene	ND	3.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
<b>m,p-Xylene</b>	<b>29</b>	5.2	84	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	J
Methyl t-Butyl Ether	ND	7.2	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
<b>Methylene chloride</b>	<b>23</b>	12	170	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1, J
Naphthalene	ND	6.4	420	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
n-Butyl Benzene	ND	5.4	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
n-Propyl Benzene	ND	5.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
<b>o-Xylene</b>	<b>13</b>	5.0	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	J
p-Isopropyltoluene	ND	4.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
sec-Butyl Benzene	ND	4.0	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Styrene	ND	6.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
tert-Butylbenzene	ND	4.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Tetrachloroethene	ND	9.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Tetrahydrofuran	ND	180	840	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Toluene	ND	6.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
trans-1,2-Dichloroethene	ND	7.5	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	7.2	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Trichloroethene	ND	6.9	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Vinyl chloride	ND	9.7	42	ug/kg dry	1	07/01/2020	07/01/2020 19:18	EPA 8260B	
Surrogate: Toluene-d8			37.2 %	61.9-110		07/01/2020	07/01/2020 19:18	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			38.2 %	59.1-115		07/01/2020	07/01/2020 19:18	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			33.4 %	80-120		07/01/2020	07/01/2020 19:18	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>78.7</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(5-6)-20200701**

**A202712-06 (Soil)**

**Date Sampled**  
**07/01/2020 08:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	20	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	E1
1,1,1-Trichloroethane	ND	19	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	16	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>95</b>	16	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	11	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,1-Dichloroethane	ND	24	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,1-Dichloroethene	ND	19	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,1-Dichloropropene	ND	9.4	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,2,3-Trichlorobenzene	ND	14	260	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,2,3-Trichloropropane	ND	17	130	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	17	260	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	9.1	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	29	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	13	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,2-Dichlorobenzene	ND	7.0	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>980</b>	12	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	HC
1,2-Dichloropropane	ND	20	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	6.2	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,3-Dichlorobenzene	ND	12	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,3-Dichloropropane	ND	12	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
1,4-Dichlorobenzene	ND	10	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
2,2-Dichloropropane	ND	26	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
2-Butanone	ND	470	2600	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
2-Chlorotoluene	ND	6.8	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
2-Hexanone	ND	75	2600	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
4-Chlorotoluene	ND	8.1	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
4-Methyl-2-pentanone	ND	100	2600	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Acetone	ND	390	2600	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Benzene	ND	4.2	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Bromobenzene	ND	13	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Bromochloromethane	ND	25	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Bromodichloromethane	ND	8.8	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Bromoform	ND	39	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Carbon disulfide	ND	6.0	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Carbon tetrachloride	ND	11	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Chlorobenzene	ND	9.6	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Chloroform	ND	9.9	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Chloromethane	ND	21	130	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
cis-1,2-Dichloroethene	ND	21	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
cis-1,3-Dichloropropene	ND	15	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Dibromochloromethane	ND	14	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Dibromomethane	ND	29	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Dichlorodifluoromethane	ND	13	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(5-6)-20200701**

**A202712-06 (Soil)**

**Date Sampled**

**07/01/2020 08:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	36	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Ethylbenzene	ND	5.5	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Hexachlorobutadiene	ND	17	260	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Isopropylbenzene	ND	6.0	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
m,p-Xylene	ND	8.1	130	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Methyl t-Butyl Ether	ND	11	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Methylene chloride	ND	18	260	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
<b>Naphthalene</b>	<b>56</b>	9.9	650	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	J, B
n-Butyl Benzene	ND	8.3	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
n-Propyl Benzene	ND	8.8	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
o-Xylene	ND	7.8	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
p-Isopropyltoluene	ND	7.3	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
sec-Butyl Benzene	ND	6.2	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Styrene	ND	10	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
tert-Butylbenzene	ND	7.0	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Tetrachloroethene	ND	15	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Tetrahydrofuran	ND	290	1300	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Toluene	ND	10	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	12	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
trans-1,3-Dichloropropene	ND	11	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Trichloroethene	ND	11	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Vinyl chloride	ND	15	65	ug/kg dry	1	07/01/2020	07/01/2020 18:12	EPA 8260B	
Surrogate: Toluene-d8			57.0 %	61.9-110		07/01/2020	07/01/2020 18:12	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			60.4 %	59.1-115		07/01/2020	07/01/2020 18:12	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			51.5 %	80-120		07/01/2020	07/01/2020 18:12	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>61.0</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(9-10)-20200701**

**A202712-07 (Soil)**

**Date Sampled**  
**07/01/2020 08:25**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.8	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,1,1-Trichloroethane	ND	9.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.7	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,1,2-Trichloroethane	ND	8.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.2	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	12	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,1-Dichloroethene	ND	9.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	4.6	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	7.0	130	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2,3-Trichloropropane	ND	8.3	64	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1, LC
1,2,4-Trichlorobenzene	ND	8.2	130	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2-Dichlorobenzene	ND	3.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2-Dichloroethane	ND	5.9	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,2-Dichloropropane	ND	9.8	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,3-Dichlorobenzene	ND	6.0	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,3-Dichloropropane	ND	5.9	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
1,4-Dichlorobenzene	ND	5.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
2,2-Dichloropropane	ND	13	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
2-Butanone	ND	230	1300	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1, HC
2-Chlorotoluene	ND	3.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
2-Hexanone	ND	37	1300	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
4-Chlorotoluene	ND	4.0	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
4-Methyl-2-pentanone	ND	50	1300	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Acetone	ND	190	1300	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Benzene	ND	2.0	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Bromobenzene	ND	6.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Bromochloromethane	ND	12	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Bromodichloromethane	ND	4.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Bromoform	ND	19	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Carbon disulfide	ND	2.9	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1, LC
Carbon tetrachloride	ND	5.2	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Chlorobenzene	ND	4.7	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Chloroform	ND	4.9	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Chloromethane	ND	10	64	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
cis-1,2-Dichloroethene	ND	10	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.2	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Dibromochloromethane	ND	6.8	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Dibromomethane	ND	14	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Dichlorodifluoromethane	ND	6.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(9-10)-20200701**

Date Sampled  
07/01/2020 08:25

A202712-07 (Soil)

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

Preparation Batch: A007107

Diisopropyl Ether	ND	18	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Ethylbenzene	ND	2.7	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Hexachlorobutadiene	ND	8.2	130	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Isopropylbenzene	ND	2.9	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
<b>m,p-Xylene</b>	<b>8.3</b>	4.0	64	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	J
Methyl t-Butyl Ether	ND	5.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
<b>Methylene chloride</b>	<b>25</b>	9.0	130	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1, J
Naphthalene	ND	4.9	320	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
n-Butyl Benzene	ND	4.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
n-Propyl Benzene	ND	4.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
o-Xylene	ND	3.8	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
p-Isopropyltoluene	ND	3.6	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
sec-Butyl Benzene	ND	3.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Styrene	ND	5.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
tert-Butylbenzene	ND	3.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Tetrachloroethene	ND	7.3	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Tetrahydrofuran	ND	140	640	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
<b>Toluene</b>	<b>7.7</b>	5.1	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	J
trans-1,2-Dichloroethene	ND	5.8	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	5.5	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Trichloroethene	ND	5.2	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Vinyl chloride	ND	7.4	32	ug/kg dry	1	07/01/2020	07/01/2020 19:43	EPA 8260B	
Surrogate: Toluene-d8			59.7 %	61.9-110		07/01/2020	07/01/2020 19:43	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			63.9 %	59.1-115		07/01/2020	07/01/2020 19:43	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			57.8 %	80-120		07/01/2020	07/01/2020 19:43	EPA 8260B	S

**Classical Chemistry Parameters**

Preparation Batch: A007111

<b>% Solids</b>	<b>78.5</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(14-15)-20200701**

**A202712-08 (Soil)**

**Date Sampled**  
**07/01/2020 08:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	7.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	E1
1,1,1-Trichloroethane	ND	7.0	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	5.7	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,1,2-Trichloroethane	ND	6.0	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	3.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,1-Dichloroethane	ND	8.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,1-Dichloroethene	ND	7.0	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,1-Dichloropropene	ND	3.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2,3-Trichlorobenzene	ND	5.3	96	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2,3-Trichloropropane	ND	6.2	48	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	6.1	96	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.3	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	11	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	4.7	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2-Dichlorobenzene	ND	2.6	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2-Dichloroethane	ND	4.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,2-Dichloropropane	ND	7.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.3	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,3-Dichlorobenzene	ND	4.5	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,3-Dichloropropane	ND	4.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
1,4-Dichlorobenzene	ND	3.8	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
2,2-Dichloropropane	ND	9.6	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
2-Butanone	ND	170	960	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
2-Chlorotoluene	ND	2.5	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
2-Hexanone	ND	28	960	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
4-Chlorotoluene	ND	3.0	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
4-Methyl-2-pentanone	ND	37	960	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Acetone	ND	140	960	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Benzene	ND	1.5	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Bromobenzene	ND	4.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Bromochloromethane	ND	9.2	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Bromodichloromethane	ND	3.3	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Bromoform	ND	14	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Carbon disulfide	ND	2.2	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Carbon tetrachloride	ND	3.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Chlorobenzene	ND	3.5	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Chloroform	ND	3.6	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Chloromethane	ND	7.6	48	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
cis-1,2-Dichloroethene	ND	7.6	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
cis-1,3-Dichloropropene	ND	5.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Dibromochloromethane	ND	5.1	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Dibromomethane	ND	11	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Dichlorodifluoromethane	ND	4.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-14(14-15)-20200701**

**A202712-08 (Soil)**

**Date Sampled**  
**07/01/2020 08:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	13	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Ethylbenzene	ND	2.0	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Hexachlorobutadiene	ND	6.1	96	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Isopropylbenzene	ND	2.2	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
m,p-Xylene	ND	3.0	48	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Methyl t-Butyl Ether	ND	4.1	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Methylene chloride	ND	6.7	96	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
<b>Naphthalene</b>	<b>13</b>	3.6	240	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	J, B
n-Butyl Benzene	ND	3.1	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
n-Propyl Benzene	ND	3.3	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
o-Xylene	ND	2.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
p-Isopropyltoluene	ND	2.7	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
sec-Butyl Benzene	ND	2.3	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Styrene	ND	3.8	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
tert-Butylbenzene	ND	2.6	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Tetrachloroethene	ND	5.4	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Tetrahydrofuran	ND	110	480	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Toluene	ND	3.8	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
trans-1,2-Dichloroethene	ND	4.3	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
trans-1,3-Dichloropropene	ND	4.1	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Trichloroethene	ND	3.9	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Vinyl chloride	ND	5.5	24	ug/kg dry	1	07/01/2020	07/01/2020 18:39	EPA 8260B	
Surrogate: Toluene-d8			71.4 %	61.9-110		07/01/2020	07/01/2020 18:39	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			77.5 %	59.1-115		07/01/2020	07/01/2020 18:39	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			65.4 %	80-120		07/01/2020	07/01/2020 18:39	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>73.2</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(2-3)-20200701**

**A202712-09 (Soil)**

**Date Sampled**  
**07/01/2020 08:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	8.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,1,1-Trichloroethane	ND	8.5	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.0	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,1,2-Trichloroethane	ND	7.3	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.8	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1
1,1-Dichloroethane	ND	11	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,1-Dichloroethene	ND	8.5	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1
1,1-Dichloropropene	ND	4.2	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	6.4	120	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2,3-Trichloropropane	ND	7.5	58	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	7.4	120	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.1	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.7	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2-Dichlorobenzene	ND	3.1	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2-Dichloroethane	ND	5.3	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,2-Dichloropropane	ND	8.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.8	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,3-Dichlorobenzene	ND	5.5	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,3-Dichloropropane	ND	5.3	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
1,4-Dichlorobenzene	ND	4.6	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
2,2-Dichloropropane	ND	12	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
2-Butanone	ND	210	1200	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
2-Chlorotoluene	ND	3.0	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
2-Hexanone	ND	34	1200	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
4-Chlorotoluene	ND	3.6	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
4-Methyl-2-pentanone	ND	45	1200	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Acetone	ND	170	1200	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Benzene	ND	1.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Bromobenzene	ND	5.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Bromochloromethane	ND	11	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Bromodichloromethane	ND	3.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Bromoform	ND	17	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Carbon disulfide	ND	2.7	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1
Carbon tetrachloride	ND	4.8	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Chlorobenzene	ND	4.3	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Chloroform	ND	4.4	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Chloromethane	ND	9.2	58	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.3	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.5	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Dibromochloromethane	ND	6.2	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Dibromomethane	ND	13	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Dichlorodifluoromethane	ND	5.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(2-3)-20200701**

Date Sampled  
**07/01/2020 08:55**

**A202712-09 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	16	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Ethylbenzene	ND	2.4	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Hexachlorobutadiene	ND	7.4	120	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Isopropylbenzene	ND	2.7	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
m,p-Xylene	ND	3.6	58	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Methyl t-Butyl Ether	ND	5.0	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
<b>Methylene chloride</b>	<b>12</b>	8.1	120	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1, J
Naphthalene	ND	4.4	290	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
n-Butyl Benzene	ND	3.7	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
n-Propyl Benzene	ND	3.9	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
o-Xylene	ND	3.5	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
p-Isopropyltoluene	ND	3.3	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
sec-Butyl Benzene	ND	2.8	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Styrene	ND	4.6	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
tert-Butylbenzene	ND	3.1	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Tetrachloroethene	ND	6.6	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Tetrahydrofuran	ND	130	580	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Toluene	ND	4.6	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.2	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	E1
trans-1,3-Dichloropropene	ND	5.0	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Trichloroethene	ND	4.8	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Vinyl chloride	ND	6.7	29	ug/kg dry	1	07/01/2020	07/01/2020 20:57	EPA 8260B	
Surrogate: Toluene-d8			72.2 %	61.9-110		07/01/2020	07/01/2020 20:57	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			78.7 %	59.1-115		07/01/2020	07/01/2020 20:57	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			70.8 %	80-120		07/01/2020	07/01/2020 20:57	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>95.3</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(7-8)-20200701**

**A202712-10 (Soil)**

**Date Sampled**  
**07/01/2020 09:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	71	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	E1
1,1,1-Trichloroethane	ND	67	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	55	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>2900</b>	58	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	38	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>1,1-Dichloroethane</b>	<b>150</b>	85	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	J
<b>1,1-Dichloroethene</b>	<b>440</b>	67	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,1-Dichloropropene	ND	33	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,2,3-Trichlorobenzene	ND	51	920	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,2,3-Trichloropropane	ND	60	460	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	59	920	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,2,4-Trimethylbenzene	ND	32	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	100	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	45	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,2-Dichlorobenzene	ND	25	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>1900000</b>	8500	46000	ug/kg dry	200	07/01/2020	07/06/2020 12:53	EPA 8260B	D
1,2-Dichloropropane	ND	71	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,3,5-Trimethylbenzene	ND	22	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,3-Dichlorobenzene	ND	43	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,3-Dichloropropane	ND	42	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
1,4-Dichlorobenzene	ND	37	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
2,2-Dichloropropane	ND	92	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
2-Butanone	ND	1700	9200	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
2-Chlorotoluene	ND	24	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
2-Hexanone	ND	270	9200	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
4-Chlorotoluene	ND	28	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
4-Methyl-2-pentanone	ND	360	9200	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Acetone	ND	1400	9200	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>Benzene</b>	<b>620</b>	15	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Bromobenzene	ND	47	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Bromochloromethane	ND	88	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Bromodichloromethane	ND	31	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Bromoform	ND	140	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Carbon disulfide	ND	21	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Carbon tetrachloride	ND	38	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Chlorobenzene	ND	34	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Chloroform	ND	35	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Chloromethane	ND	73	460	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>350</b>	74	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
cis-1,3-Dichloropropene	ND	51	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Dibromochloromethane	ND	49	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Dibromomethane	ND	100	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Dichlorodifluoromethane	ND	47	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(7-8)-20200701**

**A202712-10 (Soil)**

**Date Sampled**  
**07/01/2020 09:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

<b>Diisopropyl Ether</b>	<b>210</b>	130	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	J
Ethylbenzene	ND	19	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Hexachlorobutadiene	ND	59	920	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Isopropylbenzene	ND	21	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>m,p-Xylene</b>	<b>74</b>	28	460	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	J
Methyl t-Butyl Ether	ND	40	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Methylene chloride	ND	64	920	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>Naphthalene</b>	<b>110</b>	35	2300	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	J, B
n-Butyl Benzene	ND	29	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
n-Propyl Benzene	ND	31	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
o-Xylene	ND	28	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
p-Isopropyltoluene	ND	26	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
sec-Butyl Benzene	ND	22	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Styrene	ND	37	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
tert-Butylbenzene	ND	25	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>Tetrachloroethene</b>	<b>2200</b>	52	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
Tetrahydrofuran	ND	1000	4600	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>Toluene</b>	<b>520</b>	37	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
trans-1,2-Dichloroethene	ND	41	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
trans-1,3-Dichloropropene	ND	40	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>Trichloroethene</b>	<b>3000</b>	38	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	
<b>Vinyl chloride</b>	<b>2900</b>	53	230	ug/kg dry	1	07/01/2020	07/01/2020 19:05	EPA 8260B	

Surrogate: Toluene-d8

67.8 % 61.9-110

07/01/2020

07/01/2020 19:05

EPA 8260B

Surrogate: 4-Bromofluorobenzene

67.9 % 59.1-115

07/01/2020

07/01/2020 19:05

EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

54.9 % 80-120

07/01/2020

07/01/2020 19:05

EPA 8260B

S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>24.8</b>	0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(8-9)-20200701**

**A202712-11 (Soil)**

**Date Sampled**  
**07/01/2020 09:05**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	13	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,1,1-Trichloroethane	ND	13	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	10	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>140</b>	11	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1, LC
<b>1,1-Dichloroethane</b>	<b>21</b>	16	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	J
<b>1,1-Dichloroethene</b>	<b>54</b>	13	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	6.2	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	9.5	170	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,2,3-Trichloropropane	ND	11	86	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	11	170	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	19	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.5	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,2-Dichlorobenzene	ND	4.7	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>83000</b>	7.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E
1,2-Dichloropropane	ND	13	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,3-Dichlorobenzene	ND	8.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,3-Dichloropropane	ND	7.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
1,4-Dichlorobenzene	ND	6.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
2,2-Dichloropropane	ND	17	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
2-Butanone	ND	310	1700	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
2-Chlorotoluene	ND	4.5	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
2-Hexanone	ND	50	1700	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
4-Chlorotoluene	ND	5.4	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
4-Methyl-2-pentanone	ND	67	1700	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Acetone	ND	260	1700	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>Benzene</b>	<b>56</b>	2.8	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Bromobenzene	ND	8.8	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Bromochloromethane	ND	17	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Bromodichloromethane	ND	5.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Bromoform	ND	26	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Carbon disulfide	ND	4.0	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1, LC
Carbon tetrachloride	ND	7.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Chlorobenzene	ND	6.4	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Chloroform	ND	6.6	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Chloromethane	ND	14	86	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>39</b>	14	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	J
cis-1,3-Dichloropropene	ND	9.7	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Dibromochloromethane	ND	9.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Dibromomethane	ND	19	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Dichlorodifluoromethane	ND	8.8	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(8-9)-20200701**

**A202712-11 (Soil)**

**Date Sampled**  
**07/01/2020 09:05**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>Diisopropyl Ether</b>	<b>39</b>	24	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	J
Ethylbenzene	ND	3.6	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Hexachlorobutadiene	ND	11	170	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Isopropylbenzene	ND	4.0	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
m,p-Xylene	ND	5.4	86	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Methyl t-Butyl Ether	ND	7.4	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>Methylene chloride</b>	<b>16</b>	12	170	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1, LC, J
<b>Naphthalene</b>	<b>12</b>	6.6	430	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	J
n-Butyl Benzene	ND	5.5	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
n-Propyl Benzene	ND	5.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
o-Xylene	ND	5.2	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
p-Isopropyltoluene	ND	4.8	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
sec-Butyl Benzene	ND	4.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Styrene	ND	6.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
tert-Butylbenzene	ND	4.7	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>Tetrachloroethene</b>	<b>150</b>	9.8	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
Tetrahydrofuran	ND	190	860	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>Toluene</b>	<b>37</b>	6.9	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	J
trans-1,2-Dichloroethene	ND	7.8	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	7.4	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>Trichloroethene</b>	<b>260</b>	7.1	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	
<b>Vinyl chloride</b>	<b>440</b>	10	43	ug/kg dry	1	07/01/2020	07/02/2020 10:23	EPA 8260B	LC
Surrogate: Toluene-d8			32.1 %	61.9-110		07/01/2020	07/02/2020 10:23	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			35.9 %	59.1-115		07/01/2020	07/02/2020 10:23	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			30.9 %	80-120		07/01/2020	07/02/2020 10:23	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>% Solids</b>	<b>71.6</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(13-14)-20200701**

**A202712-12 (Soil)**

**Date Sampled**  
**07/01/2020 09:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	12	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	E1
1,1,1-Trichloroethane	ND	11	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	9.2	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,1,2-Trichloroethane	ND	9.7	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.3	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,1-Dichloroethane	ND	14	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>32</b>	11	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	J
1,1-Dichloropropene	ND	5.5	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.4	150	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,2,3-Trichloropropane	ND	10	77	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	9.8	150	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.4	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	17	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.5	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,2-Dichlorobenzene	ND	4.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>280000</b>	1400	7700	ug/kg dry	200	07/01/2020	07/06/2020 13:22	EPA 8260B	D
1,2-Dichloropropane	ND	12	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.7	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,3-Dichlorobenzene	ND	7.2	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,3-Dichloropropane	ND	7.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
1,4-Dichlorobenzene	ND	6.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
2,2-Dichloropropane	ND	15	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
2-Butanone	ND	280	1500	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
2-Chlorotoluene	ND	4.0	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
2-Hexanone	ND	44	1500	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
4-Chlorotoluene	ND	4.8	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
4-Methyl-2-pentanone	ND	60	1500	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Acetone	ND	230	1500	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>Benzene</b>	<b>16</b>	2.5	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	J
Bromobenzene	ND	7.8	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Bromochloromethane	ND	15	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Bromodichloromethane	ND	5.2	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Bromoform	ND	23	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Carbon disulfide	ND	3.5	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Carbon tetrachloride	ND	6.3	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Chlorobenzene	ND	5.7	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Chloroform	ND	5.8	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Chloromethane	ND	12	77	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
cis-1,2-Dichloroethene	ND	12	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.6	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Dibromochloromethane	ND	8.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Dibromomethane	ND	17	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Dichlorodifluoromethane	ND	7.8	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-15(13-14)-20200701**

**A202712-12 (Soil)**

**Date Sampled**  
**07/01/2020 09:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

<b>Diisopropyl Ether</b>	<b>30</b>	21	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	J
Ethylbenzene	ND	3.2	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Hexachlorobutadiene	ND	9.8	150	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Isopropylbenzene	ND	3.5	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
m,p-Xylene	ND	4.8	77	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Methyl t-Butyl Ether	ND	6.6	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Methylene chloride	ND	11	150	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>Naphthalene</b>	<b>13</b>	5.8	380	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	J, B
n-Butyl Benzene	ND	4.9	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
n-Propyl Benzene	ND	5.2	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
o-Xylene	ND	4.6	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
p-Isopropyltoluene	ND	4.3	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
sec-Butyl Benzene	ND	3.7	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Styrene	ND	6.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
tert-Butylbenzene	ND	4.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>Tetrachloroethene</b>	<b>44</b>	8.7	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Tetrahydrofuran	ND	170	770	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>Toluene</b>	<b>12</b>	6.1	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	J
trans-1,2-Dichloroethene	ND	6.9	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.6	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>Trichloroethene</b>	<b>94</b>	6.3	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
<b>Vinyl chloride</b>	<b>490</b>	8.9	38	ug/kg dry	1	07/01/2020	07/01/2020 19:32	EPA 8260B	
Surrogate: Toluene-d8			45.9 %	61.9-110		07/01/2020	07/01/2020 19:32	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			50.4 %	59.1-115		07/01/2020	07/01/2020 19:32	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			42.1 %	80-120		07/01/2020	07/01/2020 19:32	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>74.6</b>	0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B		
-----------------	-------------	------	-------------	---	------------	------------------	----------	--	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-4-20200701**

**A202712-13 (Soil)**

**Date Sampled**  
**07/01/2020 00:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,1,1-Trichloroethane	ND	10	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.6	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,1,2-Trichloroethane	ND	9.0	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	13	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,1-Dichloroethene	ND	10	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	5.1	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	7.8	140	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,2,3-Trichloropropane	ND	9.3	71	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	9.1	140	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>11</b>	5.0	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	16	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.0	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,2-Dichlorobenzene	ND	3.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,2-Dichloroethane	ND	6.6	36	ug/kg dry	1	07/01/2020	07/06/2020 11:55	EPA 8260B	
1,2-Dichloropropane	ND	11	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.4	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,3-Dichlorobenzene	ND	6.7	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,3-Dichloropropane	ND	6.6	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
1,4-Dichlorobenzene	ND	5.7	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
2,2-Dichloropropane	ND	14	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
2-Butanone	ND	260	1400	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
2-Chlorotoluene	ND	3.7	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
2-Hexanone	ND	41	1400	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
4-Chlorotoluene	ND	4.4	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
4-Methyl-2-pentanone	ND	56	1400	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Benzene	ND	2.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Bromobenzene	ND	7.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Bromochloromethane	ND	14	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Bromodichloromethane	ND	4.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Bromoform	ND	21	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Carbon disulfide	ND	3.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1, LC
Carbon tetrachloride	ND	5.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Chlorobenzene	ND	5.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Chloroform	ND	5.4	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Chloromethane	ND	11	71	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.0	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Dibromochloromethane	ND	7.6	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Dibromomethane	ND	16	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Dichlorodifluoromethane	ND	7.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-4-20200701**

Date Sampled

**A202712-13 (Soil)**

**07/01/2020 00:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	20	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
<b>Ethylbenzene</b>	<b>48</b>	3.0	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Hexachlorobutadiene	ND	9.1	140	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Isopropylbenzene	ND	3.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
<b>m,p-Xylene</b>	<b>240</b>	4.4	71	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Methyl t-Butyl Ether	ND	6.1	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
<b>Methylene chloride</b>	<b>14</b>	10	140	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1, LC, J
Naphthalene	ND	5.4	360	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
n-Butyl Benzene	ND	4.6	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
n-Propyl Benzene	ND	4.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
<b>o-Xylene</b>	<b>83</b>	4.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
p-Isopropyltoluene	ND	4.0	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
sec-Butyl Benzene	ND	3.4	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
<b>Styrene</b>	<b>9.3</b>	5.7	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	J
tert-Butylbenzene	ND	3.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Tetrachloroethene	ND	8.1	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Tetrahydrofuran	ND	160	710	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Toluene	ND	5.7	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.4	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	6.1	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Trichloroethene	ND	5.8	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	
Vinyl chloride	ND	8.3	36	ug/kg dry	1	07/01/2020	07/02/2020 10:47	EPA 8260B	LC
Surrogate: Toluene-d8			83.8 %	61.9-110		07/01/2020	07/02/2020 10:47	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			92.5 %	59.1-115		07/01/2020	07/02/2020 10:47	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			82.4 %	80-120		07/01/2020	07/02/2020 10:47	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>78.6</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-5-20200701**

**A202712-14 (Soil)**

**Date Sampled**  
**07/01/2020 00:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	E1
1,1,1-Trichloroethane	ND	11	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.8	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>43</b>	9.3	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	6.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,1-Dichloroethane	ND	14	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>31</b>	11	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	J
1,1-Dichloropropene	ND	5.3	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,2,3-Trichlorobenzene	ND	8.1	150	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,2,3-Trichloropropane	ND	9.6	74	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	9.4	150	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.2	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	16	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.2	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,2-Dichlorobenzene	ND	4.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>130000</b>	680	3700	ug/kg dry	100	07/01/2020	07/06/2020 13:51	EPA 8260B	D
1,2-Dichloropropane	ND	11	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.5	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,3-Dichlorobenzene	ND	6.9	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,3-Dichloropropane	ND	6.8	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
1,4-Dichlorobenzene	ND	5.9	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
2,2-Dichloropropane	ND	15	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
2-Butanone	ND	270	1500	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
2-Chlorotoluene	ND	3.8	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
2-Hexanone	ND	43	1500	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
4-Chlorotoluene	ND	4.6	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
4-Methyl-2-pentanone	ND	57	1500	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Acetone	ND	220	1500	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>Benzene</b>	<b>31</b>	2.4	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	J
Bromobenzene	ND	7.5	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Bromochloromethane	ND	14	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Bromodichloromethane	ND	5.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Bromoform	ND	22	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Carbon disulfide	ND	3.4	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Carbon tetrachloride	ND	6.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Chlorobenzene	ND	5.5	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Chloroform	ND	5.6	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Chloromethane	ND	12	74	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>19</b>	12	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	J
cis-1,3-Dichloropropene	ND	8.3	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Dibromochloromethane	ND	7.8	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Dibromomethane	ND	16	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Dichlorodifluoromethane	ND	7.5	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**DUP-5-20200701**

Date Sampled  
**07/01/2020 00:00**

**A202712-14 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>Diisopropyl Ether</b>	<b>24</b>	21	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	J
Ethylbenzene	ND	3.1	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Hexachlorobutadiene	ND	9.4	150	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Isopropylbenzene	ND	3.4	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
m,p-Xylene	ND	4.6	74	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Methyl t-Butyl Ether	ND	6.3	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Methylene chloride	ND	10	150	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>Naphthalene</b>	<b>12</b>	5.6	370	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	J, B
n-Butyl Benzene	ND	4.7	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
n-Propyl Benzene	ND	5.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
o-Xylene	ND	4.4	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
p-Isopropyltoluene	ND	4.1	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
sec-Butyl Benzene	ND	3.5	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Styrene	ND	5.9	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
tert-Butylbenzene	ND	4.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>Tetrachloroethene</b>	<b>68</b>	8.4	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Tetrahydrofuran	ND	160	740	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>Toluene</b>	<b>19</b>	5.9	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	J
trans-1,2-Dichloroethene	ND	6.6	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.3	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>Trichloroethene</b>	<b>130</b>	6.0	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
<b>Vinyl chloride</b>	<b>330</b>	8.5	37	ug/kg dry	1	07/01/2020	07/01/2020 20:51	EPA 8260B	
Surrogate: Toluene-d8			41.8 %	61.9-110		07/01/2020	07/01/2020 20:51	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			49.7 %	59.1-115		07/01/2020	07/01/2020 20:51	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			38.7 %	80-120		07/01/2020	07/01/2020 20:51	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
<b>% Solids</b>	<b>66.1</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**Blank (A007107-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 17:38

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**Blank (A007107-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 17:38

m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
<i>Surrogate: Toluene-d8</i>	462		ug/kg wet	500.0		92.4	61.9-110			
<i>Surrogate: 4-Bromofluorobenzene</i>	500		ug/kg wet	500.0		99.9	59.1-115			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	449		ug/kg wet	500.0		89.7	80-120			

**LCS (A007107-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:51

1,1,1,2-Tetrachloroethane	221	25	ug/kg wet	250.0		88.4	85.9-112			
1,1,1-Trichloroethane	206	25	ug/kg wet	250.0		82.2	73.1-128			
1,1,2,2-Tetrachloroethane	215	25	ug/kg wet	250.0		86.0	76-118			
1,1,2-Trichloroethane	220	25	ug/kg wet	250.0		88.0	82.5-115			
1,1,2-Trichlorotrifluoroethane	123	25	ug/kg wet	250.0		49.2	63.5-140			
1,1-Dichloroethane	217	25	ug/kg wet	250.0		86.8	73-123			
1,1-Dichloroethene	111	25	ug/kg wet	250.0		44.2	56.6-131			
1,1-Dichloropropene	201	25	ug/kg wet	250.0		80.2	82.8-113			
1,2,3-Trichlorobenzene	230	100	ug/kg wet	250.0		91.8	79.2-108			
1,2,3-Trichloropropane	158	50	ug/kg wet	250.0		63.2	76.9-118			
1,2,4-Trichlorobenzene	233	100	ug/kg wet	250.0		93.0	75.5-109			
1,2,4-Trimethylbenzene	233	25	ug/kg wet	250.0		93.0	84.8-111			
1,2-Dibromo-3-chloropropane	178	25	ug/kg wet	250.0		71.2	64.6-118			
1,2-Dibromoethane (EDB)	220	25	ug/kg wet	250.0		88.0	83.4-112			
1,2-Dichlorobenzene	227	25	ug/kg wet	250.0		90.6	80-120			
1,2-Dichloroethane	219	25	ug/kg wet	250.0		87.4	67.3-134			
1,2-Dichloropropane	209	25	ug/kg wet	250.0		83.6	82.8-111			
1,3,5-Trimethylbenzene	230	25	ug/kg wet	250.0		92.0	85.5-111			
1,3-Dichlorobenzene	228	25	ug/kg wet	250.0		91.2	80-120			
1,3-Dichloropropane	215	25	ug/kg wet	250.0		85.8	83.5-113			
1,4-Dichlorobenzene	226	25	ug/kg wet	250.0		90.4	80-120			
2,2-Dichloropropane	229	25	ug/kg wet	250.0		91.4	69.7-125			
2-Butanone	3980	1000	ug/kg wet	2500		159	67.8-128			
2-Chlorotoluene	226	25	ug/kg wet	250.0		90.4	80-120			
2-Hexanone	3100	1000	ug/kg wet	2500		124	73.5-124			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**LCS (A007107-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:51

4-Chlorotoluene	229	25	ug/kg wet	250.0		91.6	83.4-111			
4-Methyl-2-pentanone	2240	1000	ug/kg wet	2500		89.8	77.8-123			
Acetone	3910	1000	ug/kg wet	2500		156	40.1-182			
Benzene	207	25	ug/kg wet	250.0		82.8	77.1-115			
Bromobenzene	220	25	ug/kg wet	250.0		87.8	80-120			
Bromochloromethane	238	25	ug/kg wet	250.0		95.0	76.8-121			
Bromodichloromethane	208	25	ug/kg wet	250.0		83.0	78.9-117			
Bromoform	184	25	ug/kg wet	250.0		73.6	70.9-116			
Carbon disulfide	121	25	ug/kg wet	250.0		48.4	50.7-131			
Carbon tetrachloride	200	25	ug/kg wet	250.0		79.8	70.8-119			
Chlorobenzene	224	25	ug/kg wet	250.0		89.4	81.2-111			
Chloroform	205	25	ug/kg wet	250.0		82.0	72.4-127			
Chloromethane	158	50	ug/kg wet	250.0		63.0	52.6-126			
cis-1,2-Dichloroethene	225	25	ug/kg wet	250.0		90.0	76-115			
cis-1,3-Dichloropropene	214	25	ug/kg wet	250.0		85.4	80-120			
Dibromochloromethane	210	25	ug/kg wet	250.0		84.0	78-115			
Dibromomethane	220	25	ug/kg wet	250.0		87.8	81.6-117			
Dichlorodifluoromethane	159	25	ug/kg wet	250.0		63.4	39.6-115			
Diisopropyl Ether	236	25	ug/kg wet	250.0		94.2	77.5-120			
Ethylbenzene	218	25	ug/kg wet	250.0		87.0	82.3-110			
Hexachlorobutadiene	225	100	ug/kg wet	250.0		90.0	80.1-115			
Isopropylbenzene	227	25	ug/kg wet	250.0		90.6	82.9-114			
m,p-Xylene	446	50	ug/kg wet	500.0		89.1	81.8-111			
Methyl t-Butyl Ether	193	25	ug/kg wet	250.0		77.2	75.4-124			
Methylene chloride	155	100	ug/kg wet	250.0		61.8	62.2-132			
Naphthalene	229	250	ug/kg wet	250.0		91.4	67.8-111			J
n-Butyl Benzene	229	25	ug/kg wet	250.0		91.4	78.8-115			
n-Propyl Benzene	226	25	ug/kg wet	250.0		90.2	82.9-111			
o-Xylene	225	25	ug/kg wet	250.0		90.0	81.5-111			
p-Isopropyltoluene	233	25	ug/kg wet	250.0		93.0	83.3-111			
sec-Butyl Benzene	230	25	ug/kg wet	250.0		91.8	83.4-113			
Styrene	224	25	ug/kg wet	250.0		89.6	81.5-110			
tert-Butylbenzene	221	25	ug/kg wet	250.0		88.2	82.4-113			
Tetrachloroethene	216	25	ug/kg wet	250.0		86.2	73.7-114			
Tetrahydrofuran	2110	500	ug/kg wet	2500		84.2	69.8-127			
Toluene	210	25	ug/kg wet	250.0		83.8	77.5-112			
trans-1,2-Dichloroethene	180	25	ug/kg wet	250.0		72.0	73.5-116			
trans-1,3-Dichloropropene	222	25	ug/kg wet	250.0		88.6	80.9-110			
Trichloroethene	204	25	ug/kg wet	250.0		81.6	79.5-110			
Vinyl chloride	171	25	ug/kg wet	250.0		68.4	49.9-123			
Surrogate: Toluene-d8	210		ug/kg wet	250.0		83.8	61.9-110			
Surrogate: 4-Bromofluorobenzene	219		ug/kg wet	250.0		87.4	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	216		ug/kg wet	250.0		86.4	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**LCS Dup (A007107-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:47

1,1,1,2-Tetrachloroethane	241	25	ug/kg wet	250.0		96.2	85.9-112	8.45	20	
1,1,1-Trichloroethane	234	25	ug/kg wet	250.0		93.4	73.1-128	12.8	20	
1,1,2,2-Tetrachloroethane	252	25	ug/kg wet	250.0		101	76-118	15.8	20	
1,1,2-Trichloroethane	247	25	ug/kg wet	250.0		98.8	82.5-115	11.6	20	
1,1,2-Trichlorotrifluoroethane	122	25	ug/kg wet	250.0		48.6	63.5-140	1.23	20	
1,1-Dichloroethane	238	25	ug/kg wet	250.0		95.0	73-123	9.02	20	
1,1-Dichloroethene	119	25	ug/kg wet	250.0		47.6	56.6-131	7.41	20	
1,1-Dichloropropene	227	25	ug/kg wet	250.0		90.6	82.8-113	12.2	20	
1,2,3-Trichlorobenzene	252	100	ug/kg wet	250.0		101	79.2-108	9.15	20	
1,2,3-Trichloropropane	258	50	ug/kg wet	250.0		103	76.9-118	47.9	20	X
1,2,4-Trichlorobenzene	252	100	ug/kg wet	250.0		101	75.5-109	8.05	20	
1,2,4-Trimethylbenzene	258	25	ug/kg wet	250.0		103	84.8-111	10.2	20	
1,2-Dibromo-3-chloropropane	231	25	ug/kg wet	250.0		92.2	64.6-118	25.7	20	X
1,2-Dibromoethane (EDB)	244	25	ug/kg wet	250.0		97.4	83.4-112	10.1	20	
1,2-Dichlorobenzene	250	25	ug/kg wet	250.0		99.8	80-120	9.66	20	
1,2-Dichloroethane	249	25	ug/kg wet	250.0		99.4	67.3-134	12.8	20	
1,2-Dichloropropane	238	25	ug/kg wet	250.0		95.0	82.8-111	12.8	20	
1,3,5-Trimethylbenzene	254	25	ug/kg wet	250.0		102	85.5-111	9.92	20	
1,3-Dichlorobenzene	247	25	ug/kg wet	250.0		98.6	80-120	7.80	20	
1,3-Dichloropropane	244	25	ug/kg wet	250.0		97.4	83.5-113	12.7	20	
1,4-Dichlorobenzene	243	25	ug/kg wet	250.0		97.2	80-120	7.25	20	
2,2-Dichloropropane	233	25	ug/kg wet	250.0		93.2	69.7-125	1.95	20	
2-Butanone	4680	1000	ug/kg wet	2500		187	67.8-128	16.3	20	
2-Chlorotoluene	252	25	ug/kg wet	250.0		101	80-120	10.7	20	
2-Hexanone	3720	1000	ug/kg wet	2500		149	73.5-124	18.2	20	
4-Chlorotoluene	252	25	ug/kg wet	250.0		101	83.4-111	9.37	20	
4-Methyl-2-pentanone	2710	1000	ug/kg wet	2500		109	77.8-123	18.9	20	
Acetone	4990	1000	ug/kg wet	2500		199	40.1-182	24.2	20	X
Benzene	231	25	ug/kg wet	250.0		92.4	77.1-115	11.0	20	
Bromobenzene	245	25	ug/kg wet	250.0		98.0	80-120	11.0	20	
Bromochloromethane	253	25	ug/kg wet	250.0		101	76.8-121	6.32	20	
Bromodichloromethane	224	25	ug/kg wet	250.0		89.4	78.9-117	7.42	20	
Bromoform	212	25	ug/kg wet	250.0		84.8	70.9-116	14.1	20	
Carbon disulfide	133	25	ug/kg wet	250.0		53.0	50.7-131	9.07	20	
Carbon tetrachloride	216	25	ug/kg wet	250.0		86.4	70.8-119	7.94	20	
Chlorobenzene	247	25	ug/kg wet	250.0		98.6	81.2-111	9.79	20	
Chloroform	219	25	ug/kg wet	250.0		87.6	72.4-127	6.60	20	
Chloromethane	167	50	ug/kg wet	250.0		66.8	52.6-126	5.86	20	
cis-1,2-Dichloroethene	244	25	ug/kg wet	250.0		97.6	76-115	8.10	20	
cis-1,3-Dichloropropene	236	25	ug/kg wet	250.0		94.4	80-120	10.0	20	
Dibromochloromethane	230	25	ug/kg wet	250.0		91.8	78-115	8.87	20	
Dibromomethane	250	25	ug/kg wet	250.0		99.8	81.6-117	12.8	20	
Dichlorodifluoromethane	174	25	ug/kg wet	250.0		69.4	39.6-115	9.04	20	
Diisopropyl Ether	247	25	ug/kg wet	250.0		98.8	77.5-120	4.77	20	
Ethylbenzene	241	25	ug/kg wet	250.0		96.4	82.3-110	10.3	20	
Hexachlorobutadiene	250	100	ug/kg wet	250.0		99.8	80.1-115	10.3	20	
Isopropylbenzene	253	25	ug/kg wet	250.0		101	82.9-114	10.9	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**LCS Dup (A007107-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:47

m,p-Xylene	505	50	ug/kg wet	500.0		101	81.8-111	12.5	20	
Methyl t-Butyl Ether	213	25	ug/kg wet	250.0		85.2	75.4-124	9.85	20	
Methylene chloride	162	100	ug/kg wet	250.0		64.6	62.2-132	4.43	20	
Naphthalene	273	250	ug/kg wet	250.0		109	67.8-111	17.7	20	
n-Butyl Benzene	255	25	ug/kg wet	250.0		102	78.8-115	10.8	20	
n-Propyl Benzene	256	25	ug/kg wet	250.0		102	82.9-111	12.7	20	
o-Xylene	245	25	ug/kg wet	250.0		98.0	81.5-111	8.51	20	
p-Isopropyltoluene	255	25	ug/kg wet	250.0		102	83.3-111	9.03	20	
sec-Butyl Benzene	258	25	ug/kg wet	250.0		103	83.4-113	11.7	20	
Styrene	240	25	ug/kg wet	250.0		96.0	81.5-110	6.90	20	
tert-Butylbenzene	252	25	ug/kg wet	250.0		101	82.4-113	13.3	20	
Tetrachloroethene	237	25	ug/kg wet	250.0		94.6	73.7-114	9.29	20	
Tetrahydrofuran	2710	500	ug/kg wet	2500		109	69.8-127	25.2	20	X
Toluene	233	25	ug/kg wet	250.0		93.0	77.5-112	10.4	20	
trans-1,2-Dichloroethene	193	25	ug/kg wet	250.0		77.0	73.5-116	6.71	20	
trans-1,3-Dichloropropene	244	25	ug/kg wet	250.0		97.6	80.9-110	9.67	20	
Trichloroethene	235	25	ug/kg wet	250.0		94.0	79.5-110	14.1	20	
Vinyl chloride	196	25	ug/kg wet	250.0		78.2	49.9-123	13.4	20	
Surrogate: Toluene-d8	233		ug/kg wet	250.0		93.0	61.9-110			
Surrogate: 4-Bromofluorobenzene	245		ug/kg wet	250.0		97.8	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	236		ug/kg wet	250.0		94.4	80-120			

**Batch A007109 - EPA 5030B**

**Blank (A007109-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:51

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**Blank (A007109-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:51

2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	7.0	250	ug/kg wet							J
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Surrogate: Toluene-d8	440		ug/kg wet	500.0		87.9	61.9-110			
Surrogate: 4-Bromofluorobenzene	494		ug/kg wet	500.0		98.8	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	407		ug/kg wet	500.0		81.4	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**LCS (A007109-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:59

1,1,1,2-Tetrachloroethane	208	25	ug/kg wet	250.0		83.2	85.9-112			
1,1,1-Trichloroethane	210	25	ug/kg wet	250.0		84.0	73.1-128			
1,1,2,2-Tetrachloroethane	227	25	ug/kg wet	250.0		90.6	76-118			
1,1,2-Trichloroethane	215	25	ug/kg wet	250.0		86.0	82.5-115			
1,1,2-Trichlorotrifluoroethane	223	25	ug/kg wet	250.0		89.2	63.5-140			
1,1-Dichloroethane	243	25	ug/kg wet	250.0		97.2	73-123			
1,1-Dichloroethene	203	25	ug/kg wet	250.0		81.0	56.6-131			
1,1-Dichloropropene	215	25	ug/kg wet	250.0		85.8	82.8-113			
1,2,3-Trichlorobenzene	240	100	ug/kg wet	250.0		96.0	79.2-108			
1,2,3-Trichloropropane	186	50	ug/kg wet	250.0		74.2	76.9-118			
1,2,4-Trichlorobenzene	242	100	ug/kg wet	250.0		96.8	75.5-109			
1,2,4-Trimethylbenzene	239	25	ug/kg wet	250.0		95.4	84.8-111			
1,2-Dibromo-3-chloropropane	182	25	ug/kg wet	250.0		72.6	64.6-118			
1,2-Dibromoethane (EDB)	214	25	ug/kg wet	250.0		85.4	83.4-112			
1,2-Dichlorobenzene	236	25	ug/kg wet	250.0		94.2	80-120			
1,2-Dichloroethane	223	25	ug/kg wet	250.0		89.0	67.3-134			
1,2-Dichloropropane	239	25	ug/kg wet	250.0		95.4	82.8-111			
1,3,5-Trimethylbenzene	236	25	ug/kg wet	250.0		94.2	85.5-111			
1,3-Dichlorobenzene	227	25	ug/kg wet	250.0		90.8	80-120			
1,3-Dichloropropane	217	25	ug/kg wet	250.0		86.8	83.5-113			
1,4-Dichlorobenzene	232	25	ug/kg wet	250.0		92.8	80-120			
2,2-Dichloropropane	230	25	ug/kg wet	250.0		92.0	69.7-125			
2-Butanone	3030	1000	ug/kg wet	2500		121	67.8-128			
2-Chlorotoluene	236	25	ug/kg wet	250.0		94.2	80-120			
2-Hexanone	2920	1000	ug/kg wet	2500		117	73.5-124			
4-Chlorotoluene	240	25	ug/kg wet	250.0		95.8	83.4-111			
4-Methyl-2-pentanone	2180	1000	ug/kg wet	2500		87.4	77.8-123			
Acetone	4970	1000	ug/kg wet	2500		199	40.1-182			
Benzene	207	25	ug/kg wet	250.0		82.6	77.1-115			
Bromobenzene	223	25	ug/kg wet	250.0		89.0	80-120			
Bromochloromethane	228	25	ug/kg wet	250.0		91.2	76.8-121			
Bromodichloromethane	208	25	ug/kg wet	250.0		83.0	78.9-117			
Bromoform	182	25	ug/kg wet	250.0		72.6	70.9-116			
Carbon disulfide	197	25	ug/kg wet	250.0		78.8	50.7-131			
Carbon tetrachloride	203	25	ug/kg wet	250.0		81.2	70.8-119			
Chlorobenzene	228	25	ug/kg wet	250.0		91.2	81.2-111			
Chloroform	223	25	ug/kg wet	250.0		89.0	72.4-127			
Chloromethane	203	50	ug/kg wet	250.0		81.2	52.6-126			
cis-1,2-Dichloroethene	231	25	ug/kg wet	250.0		92.2	76-115			
cis-1,3-Dichloropropene	211	25	ug/kg wet	250.0		84.4	80-120			
Dibromochloromethane	197	25	ug/kg wet	250.0		78.6	78-115			
Dibromomethane	219	25	ug/kg wet	250.0		87.4	81.6-117			
Dichlorodifluoromethane	184	25	ug/kg wet	250.0		73.4	39.6-115			
Diisopropyl Ether	217	25	ug/kg wet	250.0		86.6	77.5-120			
Ethylbenzene	223	25	ug/kg wet	250.0		89.0	82.3-110			
Hexachlorobutadiene	226	100	ug/kg wet	250.0		90.2	80.1-115			
Isopropylbenzene	229	25	ug/kg wet	250.0		91.4	82.9-114			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**LCS (A007109-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:59

m,p-Xylene	438	50	ug/kg wet	500.0		87.6	81.8-111			
Methyl t-Butyl Ether	197	25	ug/kg wet	250.0		78.8	75.4-124			
Methylene chloride	207	100	ug/kg wet	250.0		82.6	62.2-132			
Naphthalene	225	250	ug/kg wet	250.0		90.0	67.8-111			J, B
n-Butyl Benzene	251	25	ug/kg wet	250.0		100	78.8-115			
n-Propyl Benzene	247	25	ug/kg wet	250.0		98.8	82.9-111			
o-Xylene	224	25	ug/kg wet	250.0		89.6	81.5-111			
p-Isopropyltoluene	234	25	ug/kg wet	250.0		93.6	83.3-111			
sec-Butyl Benzene	240	25	ug/kg wet	250.0		96.0	83.4-113			
Styrene	222	25	ug/kg wet	250.0		88.8	81.5-110			
tert-Butylbenzene	228	25	ug/kg wet	250.0		91.0	82.4-113			
Tetrachloroethene	206	25	ug/kg wet	250.0		82.2	73.7-114			
Tetrahydrofuran	2130	500	ug/kg wet	2500		85.1	69.8-127			
Toluene	208	25	ug/kg wet	250.0		83.2	77.5-112			
trans-1,2-Dichloroethene	195	25	ug/kg wet	250.0		77.8	73.5-116			
trans-1,3-Dichloropropene	215	25	ug/kg wet	250.0		85.8	80.9-110			
Trichloroethene	213	25	ug/kg wet	250.0		85.2	79.5-110			
Vinyl chloride	210	25	ug/kg wet	250.0		83.8	49.9-123			
<i>Surrogate: Toluene-d8</i>	<i>208</i>		<i>ug/kg wet</i>	<i>250.0</i>		<i>83.2</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>216</i>		<i>ug/kg wet</i>	<i>250.0</i>		<i>86.4</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>218</i>		<i>ug/kg wet</i>	<i>250.0</i>		<i>87.0</i>	<i>80-120</i>			

**LCS Dup (A007109-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 15:26

1,1,1,2-Tetrachloroethane	220	25	ug/kg wet	250.0		87.8	85.9-112	5.38	20	
1,1,1-Trichloroethane	219	25	ug/kg wet	250.0		87.6	73.1-128	4.20	20	
1,1,2,2-Tetrachloroethane	242	25	ug/kg wet	250.0		96.6	76-118	6.41	20	
1,1,2-Trichloroethane	226	25	ug/kg wet	250.0		90.4	82.5-115	4.99	20	
1,1,2-Trichlorotrifluoroethane	237	25	ug/kg wet	250.0		94.8	63.5-140	6.09	20	
1,1-Dichloroethane	251	25	ug/kg wet	250.0		100	73-123	3.04	20	
1,1-Dichloroethene	225	25	ug/kg wet	250.0		89.8	56.6-131	10.3	20	
1,1-Dichloropropene	220	25	ug/kg wet	250.0		88.0	82.8-113	2.53	20	
1,2,3-Trichlorobenzene	260	100	ug/kg wet	250.0		104	79.2-108	7.81	20	
1,2,3-Trichloropropane	208	50	ug/kg wet	250.0		83.0	76.9-118	11.2	20	
1,2,4-Trichlorobenzene	256	100	ug/kg wet	250.0		102	75.5-109	5.43	20	
1,2,4-Trimethylbenzene	249	25	ug/kg wet	250.0		99.6	84.8-111	4.31	20	
1,2-Dibromo-3-chloropropane	214	25	ug/kg wet	250.0		85.6	64.6-118	16.4	20	
1,2-Dibromoethane (EDB)	231	25	ug/kg wet	250.0		92.4	83.4-112	7.87	20	
1,2-Dichlorobenzene	242	25	ug/kg wet	250.0		96.8	80-120	2.72	20	
1,2-Dichloroethane	233	25	ug/kg wet	250.0		93.2	67.3-134	4.61	20	
1,2-Dichloropropane	251	25	ug/kg wet	250.0		100	82.8-111	4.91	20	
1,3,5-Trimethylbenzene	252	25	ug/kg wet	250.0		101	85.5-111	6.57	20	
1,3-Dichlorobenzene	240	25	ug/kg wet	250.0		96.0	80-120	5.57	20	
1,3-Dichloropropane	228	25	ug/kg wet	250.0		91.2	83.5-113	4.94	20	
1,4-Dichlorobenzene	248	25	ug/kg wet	250.0		99.0	80-120	6.47	20	
2,2-Dichloropropane	236	25	ug/kg wet	250.0		94.4	69.7-125	2.58	20	
2-Butanone	3420	1000	ug/kg wet	2500		137	67.8-128	11.9	20	
2-Chlorotoluene	252	25	ug/kg wet	250.0		101	80-120	6.57	20	
2-Hexanone	3170	1000	ug/kg wet	2500		127	73.5-124	8.27	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**LCS Dup (A007109-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 15:26

4-Chlorotoluene	255	25	ug/kg wet	250.0		102	83.4-111	6.27	20	
4-Methyl-2-pentanone	2390	1000	ug/kg wet	2500		95.6	77.8-123	8.96	20	
Acetone	5420	1000	ug/kg wet	2500		217	40.1-182	8.65	20	
Benzene	223	25	ug/kg wet	250.0		89.2	77.1-115	7.68	20	
Bromobenzene	231	25	ug/kg wet	250.0		92.4	80-120	3.75	20	
Bromochloromethane	233	25	ug/kg wet	250.0		93.2	76.8-121	2.17	20	
Bromodichloromethane	220	25	ug/kg wet	250.0		87.8	78.9-117	5.62	20	
Bromoform	193	25	ug/kg wet	250.0		77.2	70.9-116	6.14	20	
Carbon disulfide	206	25	ug/kg wet	250.0		82.4	50.7-131	4.47	20	
Carbon tetrachloride	216	25	ug/kg wet	250.0		86.4	70.8-119	6.21	20	
Chlorobenzene	241	25	ug/kg wet	250.0		96.4	81.2-111	5.54	20	
Chloroform	236	25	ug/kg wet	250.0		94.2	72.4-127	5.68	20	
Chloromethane	223	50	ug/kg wet	250.0		89.0	52.6-126	9.17	20	
cis-1,2-Dichloroethene	239	25	ug/kg wet	250.0		95.6	76-115	3.62	20	
cis-1,3-Dichloropropene	218	25	ug/kg wet	250.0		87.2	80-120	3.26	20	
Dibromochloromethane	207	25	ug/kg wet	250.0		82.6	78-115	4.96	20	
Dibromomethane	228	25	ug/kg wet	250.0		91.2	81.6-117	4.26	20	
Dichlorodifluoromethane	191	25	ug/kg wet	250.0		76.2	39.6-115	3.74	20	
Diisopropyl Ether	240	25	ug/kg wet	250.0		95.8	77.5-120	10.1	20	
Ethylbenzene	231	25	ug/kg wet	250.0		92.4	82.3-110	3.75	20	
Hexachlorobutadiene	243	100	ug/kg wet	250.0		97.2	80.1-115	7.47	20	
Isopropylbenzene	241	25	ug/kg wet	250.0		96.4	82.9-114	5.32	20	
m,p-Xylene	463	50	ug/kg wet	500.0		92.5	81.8-111	5.44	20	
Methyl t-Butyl Ether	212	25	ug/kg wet	250.0		84.8	75.4-124	7.33	20	
Methylene chloride	216	100	ug/kg wet	250.0		86.2	62.2-132	4.27	20	
Naphthalene	244	250	ug/kg wet	250.0		97.6	67.8-111	8.10	20	J, B
n-Butyl Benzene	260	25	ug/kg wet	250.0		104	78.8-115	3.53	20	
n-Propyl Benzene	262	25	ug/kg wet	250.0		105	82.9-111	5.70	20	
o-Xylene	236	25	ug/kg wet	250.0		94.2	81.5-111	5.01	20	
p-Isopropyltoluene	247	25	ug/kg wet	250.0		98.6	83.3-111	5.20	20	
sec-Butyl Benzene	254	25	ug/kg wet	250.0		101	83.4-113	5.47	20	
Styrene	238	25	ug/kg wet	250.0		95.0	81.5-110	6.75	20	
tert-Butylbenzene	238	25	ug/kg wet	250.0		95.0	82.4-113	4.30	20	
Tetrachloroethene	222	25	ug/kg wet	250.0		88.8	73.7-114	7.72	20	
Tetrahydrofuran	2190	500	ug/kg wet	2500		87.7	69.8-127	2.96	20	
Toluene	219	25	ug/kg wet	250.0		87.6	77.5-112	5.15	20	
trans-1,2-Dichloroethene	213	25	ug/kg wet	250.0		85.2	73.5-116	9.08	20	
trans-1,3-Dichloropropene	222	25	ug/kg wet	250.0		88.8	80.9-110	3.44	20	
Trichloroethene	229	25	ug/kg wet	250.0		91.4	79.5-110	7.02	20	
Vinyl chloride	226	25	ug/kg wet	250.0		90.4	49.9-123	7.58	20	
Surrogate: Toluene-d8	219		ug/kg wet	250.0		87.4	61.9-110			
Surrogate: 4-Bromofluorobenzene	232		ug/kg wet	250.0		92.8	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	223		ug/kg wet	250.0		89.0	80-120			

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**Classical Chemistry Parameters - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007111 - % Solids**

Duplicate (A007111-DUP1)	Source: A202712-01	Prepared: 07/01/2020	Analyzed: 07/02/2020 07:15		
% Solids	78.2	0.00 % by Weight	78.0	0.285	20

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- S Surrogate recovery was outside of laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- HC Results may be biased high because of high continuing calibration verification (CCV).
- E1 Estimated value because of quality control sample exceedances.
- E The concentration indicated is above the instrument calibration range. This value is an estimated concentration.
- D Data reported from a dilution
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference
- Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12626

Page: 1 of 2

Project Number: <b>044161</b>				PO Number:				Lab Work Order #: <b>A202712</b>				Report To:									
Project Name: <b>910 Mye LLC - RCB Invest.</b>				Project Location (City, State): <b>Madison, WI</b>				Preservation Codes				Company:									
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				If Rush, Report Due Date:				Analyses Requested				Address 1:									
Sampled By (Print): <b>ERM</b>				Matrix				Total # of Containers				Address 2:									
Sample Description				Collection Date		Time		Matrix				E-mail Address:									
								VOCs				Invoice To:									
								dry weight				Company:									
								MS/MSP				Address 1:									
												Address 2:									
												Comments		Lab ID		Lab Receipt Time					
TS-GP-13(1-2)-20200701				7/1/20		745		S 3 2 1				40.4 ppm		01							
TS-GP-13(4-5)-20200701						750		1 3 2 1				7.4 ppm		02							
TS-GP-13(9-10)-20200701						755		3 2 1				1.8 ppm		03							
TS-GP-13(12-13)-20200701						800		3 2 1 X				1.6 ppm		04							
TS-GP-14(0-1)-20200701						815		3 2 1				4.0 ppm		05							
TS-GP-14(5-6)-20200701						820		3 2 1				0.0 ppm		06							
TS-GP-14(9-10)-20200701						825		3 2 1				0.1 ppm		07							
TS-GP-14(14-15)-20200701						830		3 2 1 X				0.0 ppm		08							
TS-GP-15(2-3)-20200701						855		3 2 1				5.1 ppm		09							
TS-GP-15(7-8)-20200701						900		3 2 1				38.5 ppm		10							
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				<b>Other Comments:</b>				Relinquished By: <i>Erm</i>				Date: 7/1/20		Time: 12:30		Received By: <i>[Signature]</i>		Date: 7/1/20		Time: 13:05	
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other								Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <i>Pick Up</i>		Receipt Temp: <i>On Ice</i>		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N			

Page 43 of 44 A202712 FINAL 07 09 2020 1452



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12625

Page: 2 of 2

Project Number: <b>644161</b>		PO Number:		Lab Work Order #: <b>A202712</b>				Report To:																		
Project Name: <b>910 Myer LLC-RCB-Invest.</b>		Project Location (City, State): <b>Madison, WI</b>		Preservation Codes				Company:																		
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush		If Rush, Report Due Date:		Analyses Requested				Address 1:																		
Sampled By (Print): <b>ERM</b>				<table border="1" style="width:100%; text-align: center;"> <tr> <td>P</td><td>A</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>VOCs</td><td>dry weight</td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>				P	A							VOCs	dry weight							Address 2:		
P	A																									
VOCs	dry weight																									
Sample Description		Collection						E-mail Address:																		
		Date	Time	Matrix	Total # of Containers				Invoice To:																	
TS-GP-15(8-9)-20200701		7/1/20	905	S	3	2	1		Company:																	
TS-GP-15(13-14)-20200701		↓	910	↓	3	2	1		Address 1:																	
DUP-4-20200701		↓	-	↓	3	2	1		Address 2:																	
DUP-5-20200701		↓	-	↓	3	2	1		Comments																	
									Lab ID																	
									Lab Receipt Time																	
									55.3 ppm																	
									50.3 ppm																	
									-																	
									-																	
									11																	
									12																	
									13																	
									14																	
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Other Comments:</b>		Relinquished By: <i>ERM</i>		Date: 7/1/20	Time: 1230	Received By: <i>[Signature]</i>		Date: 07/01/20	Time: 13:05															
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other				Relinquished By:		Date:	Time:	Received By:		Date:	Time:															
				Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Shipped Via: <i>Pick Up</i>		Receipt Temp: <i>On Ice</i>		Thermometer #/ Exp. Date:																
										Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																

Page 44 of 44 A202712 FINAL 07 09 2020 1452





2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

July 09, 2020

Paul Sterkenburg  
ERM  
3352 128th Avenue  
Holland, MI 49424  
RE: 910 Mayer LLC - EDC Invest.

Enclosed are the analytical results for the samples received by the laboratory on 07/01/2020.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser For Pat Letterer  
Project Manager

**Certification List**

Certification List			Expires
DODELAP	DOD ELAP Accreditation (A2LA)	3269.01	03/31/2021
ILEPA	Illinois Secondary NELAP Accreditation	004366	04/30/2021
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2021
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2021
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2021
TCEQ	Texas Secondary NELAP Accreditation	T104704504-16-7	11/30/2020
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2020

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TS-GP-16(2-3)-20200701	A202713-01	Soil	07/01/2020	07/01/2020
TS-GP-16(6-7)-20200701	A202713-02	Soil	07/01/2020	07/01/2020
TS-GP-16(8-9)-20200701	A202713-03	Soil	07/01/2020	07/01/2020
TS-GP-16(11-12)-20200701	A202713-04	Soil	07/01/2020	07/01/2020
TS-GP-17(1-2)-20200701	A202713-05	Soil	07/01/2020	07/01/2020
TS-GP-17(6-7)-20200701	A202713-06	Soil	07/01/2020	07/01/2020
TS-GP-17(11-12)-20200701	A202713-07	Soil	07/01/2020	07/01/2020
TS-GP-17(13-14)-20200701	A202713-08	Soil	07/01/2020	07/01/2020
TS-GP-18(1-2)-20200701	A202713-09	Soil	07/01/2020	07/01/2020
TS-GP-18(3-4)-20200701	A202713-10	Soil	07/01/2020	07/01/2020
TS-GP-19(1-2)-20200701	A202713-11	Soil	07/01/2020	07/01/2020
TS-GP-19(3-4)-20200701	A202713-12	Soil	07/01/2020	07/01/2020
TS-GP-20(1-2)-20200701	A202713-13	Soil	07/01/2020	07/01/2020
TS-GP-20(3-4)-20200701	A202713-14	Soil	07/01/2020	07/01/2020

**CASE NARRATIVE**

**Sample Receipt Information:**

14 samples were received on 07/01/2020. Samples were received in acceptable condition with the exception noted below

Sample A202713-14 had a discrepancy between the sample description on the chain of custody (COC) and the sample description on the container. Per the client, the COC sample description is correct.

Please see the COC document at the end of this report for additional information.

**Laboratory Control Samples (LCS):**

The E1 footnote on samples A202713-01 through A202713-14 indicates that there were quality control sample exceedances for multiple analytes for the 8260 analysis. The LCS recoveries were below acceptable limits. Please see the quality control section of the report for more information.

**Continuing Calibration Verification (CCV):**

The LC footnote on samples A202713-01, A202713-03, A202713-05, A202713-07, A202713-09, A202713-11 and A202713-13 states that there were low CCV recoveries for 1,1,2-trichlorotrifluoroethane, 1,1-dichloroethene, carbon disulfide, methylene chloride, trans-1,2-dichloroethene and vinyl chloride. The lower control limits are 70% or 80% and the lowest recoveries were 48.8%, 43.4%, 45.6%, 64.2%, 68.8% and 75.4%, respectively.

The HC footnote on samples A202713-06 and A202713-14 states that there was a high CCV recovery for 1,2-dichloroethane. The upper control limit is 130% and the highest recovery was 172%.

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(2-3)-20200701**

**A202713-01 (Soil)**

Date Sampled  
07/01/2020 12:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.4	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,1,1-Trichloroethane	ND	8.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.3	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,1,2-Trichloroethane	ND	7.7	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.0	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,1-Dichloroethene	ND	8.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	4.4	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	6.7	120	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,2,3-Trichloropropane	ND	7.9	61	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	7.8	120	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.3	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.0	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,2-Dichlorobenzene	ND	3.3	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>44</b>	5.6	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,2-Dichloropropane	ND	9.4	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,3-Dichlorobenzene	ND	5.7	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,3-Dichloropropane	ND	5.6	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
1,4-Dichlorobenzene	ND	4.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
2-Butanone	ND	220	1200	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
2-Chlorotoluene	ND	3.2	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
2-Hexanone	ND	35	1200	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
4-Chlorotoluene	ND	3.8	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
4-Methyl-2-pentanone	ND	47	1200	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Benzene	ND	1.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Bromobenzene	ND	6.2	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Bromochloromethane	ND	12	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Bromodichloromethane	ND	4.1	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Carbon disulfide	ND	2.8	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1, LC
Carbon tetrachloride	ND	5.0	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Chlorobenzene	ND	4.5	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Chloroform	ND	4.6	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Chloromethane	ND	9.6	61	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.7	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.8	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Dibromochloromethane	ND	6.4	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(2-3)-20200701**

Date Sampled  
07/01/2020 12:05

**A202713-01 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Dichlorodifluoromethane	ND	6.2	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Diisopropyl Ether	ND	17	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Ethylbenzene	ND	2.6	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Hexachlorobutadiene	ND	7.8	120	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Isopropylbenzene	ND	2.8	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
m,p-Xylene	ND	3.8	61	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Methyl t-Butyl Ether	ND	5.2	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Methylene chloride	ND	8.5	120	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1, LC
<b>Naphthalene</b>	<b>11</b>	4.6	300	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	J
n-Butyl Benzene	ND	3.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
n-Propyl Benzene	ND	4.1	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
o-Xylene	ND	3.6	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
p-Isopropyltoluene	ND	3.4	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
sec-Butyl Benzene	ND	2.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Styrene	ND	4.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
tert-Butylbenzene	ND	3.3	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
<b>Tetrachloroethene</b>	<b>12</b>	6.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	J
Tetrahydrofuran	ND	130	610	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Toluene	ND	4.9	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.5	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	5.2	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
<b>Trichloroethene</b>	<b>120</b>	5.0	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	
Vinyl chloride	ND	7.1	30	ug/kg dry	1	07/01/2020	07/02/2020 11:12	EPA 8260B	LC
Surrogate: Toluene-d8			51.9 %	61.9-110		07/01/2020	07/02/2020 11:12	EPA 8260B	S
Surrogate: 4-Bromofluorobenzene			56.4 %	59.1-115		07/01/2020	07/02/2020 11:12	EPA 8260B	S
Surrogate: 1,2-Dichlorobenzene-d4			51.3 %	80-120		07/01/2020	07/02/2020 11:12	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>86.6</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(6-7)-20200701**

**A202713-02 (Soil)**

**Date Sampled**  
**07/01/2020 12:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	14	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	E1
1,1,1-Trichloroethane	ND	13	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	11	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>160</b>	11	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.5	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,1-Dichloroethane	ND	17	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>110</b>	13	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,1-Dichloropropene	ND	6.6	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,2,3-Trichlorobenzene	ND	10	180	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,2,3-Trichloropropane	ND	12	91	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	12	180	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.4	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	20	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.9	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,2-Dichlorobenzene	ND	4.9	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>220000</b>	1700	9100	ug/kg dry	200	07/01/2020	07/06/2020 14:20	EPA 8260B	D
1,2-Dichloropropane	ND	14	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.4	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,3-Dichlorobenzene	ND	8.6	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,3-Dichloropropane	ND	8.4	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
1,4-Dichlorobenzene	ND	7.3	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
2,2-Dichloropropane	ND	18	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
2-Butanone	ND	330	1800	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
2-Chlorotoluene	ND	4.7	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
2-Hexanone	ND	53	1800	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
4-Chlorotoluene	ND	5.7	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
4-Methyl-2-pentanone	ND	71	1800	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Acetone	ND	270	1800	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Benzene	ND	2.9	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Bromobenzene	ND	9.3	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Bromochloromethane	ND	18	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Bromodichloromethane	ND	6.2	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Bromoform	ND	27	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Carbon disulfide	ND	4.2	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Carbon tetrachloride	ND	7.5	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Chlorobenzene	ND	6.8	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Chloroform	ND	6.9	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Chloromethane	ND	14	91	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
cis-1,2-Dichloroethene	ND	15	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
cis-1,3-Dichloropropene	ND	10	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Dibromochloromethane	ND	9.7	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Dibromomethane	ND	20	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Dichlorodifluoromethane	ND	9.3	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(6-7)-20200701**

**A202713-02 (Soil)**

**Date Sampled**  
**07/01/2020 12:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	26	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Ethylbenzene	ND	3.8	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Hexachlorobutadiene	ND	12	180	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Isopropylbenzene	ND	4.2	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
m,p-Xylene	ND	5.7	91	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Methyl t-Butyl Ether	ND	7.8	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Methylene chloride	ND	13	180	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
<b>Naphthalene</b>	<b>16</b>	6.9	460	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	J, B
n-Butyl Benzene	ND	5.8	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
n-Propyl Benzene	ND	6.2	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
o-Xylene	ND	5.5	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
p-Isopropyltoluene	ND	5.1	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
sec-Butyl Benzene	ND	4.4	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Styrene	ND	7.3	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
tert-Butylbenzene	ND	4.9	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
<b>Tetrachloroethene</b>	<b>77</b>	10	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Tetrahydrofuran	ND	200	910	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Toluene	ND	7.3	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
trans-1,2-Dichloroethene	ND	8.2	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
trans-1,3-Dichloropropene	ND	7.8	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
<b>Trichloroethene</b>	<b>14</b>	7.5	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	J
<b>Vinyl chloride</b>	<b>78</b>	11	46	ug/kg dry	1	07/01/2020	07/01/2020 21:16	EPA 8260B	
Surrogate: Toluene-d8			83.8 %	61.9-110		07/01/2020	07/01/2020 21:16	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			94.7 %	59.1-115		07/01/2020	07/01/2020 21:16	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			72.2 %	80-120		07/01/2020	07/01/2020 21:16	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>66.5</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(8-9)-20200701**

**A202713-03 (Soil)**

**Date Sampled**  
**07/01/2020 12:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	13	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,1,1-Trichloroethane	ND	12	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	10	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>200</b>	11	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	7.0	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	16	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>12</b>	12	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1, LC, J
1,1-Dichloropropene	ND	6.2	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	9.4	170	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,2,3-Trichloropropane	ND	11	85	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	11	170	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.0	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	19	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	8.4	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,2-Dichlorobenzene	ND	4.6	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>11000</b>	79	430	ug/kg dry	10	07/01/2020	07/06/2020 14:50	EPA 8260B	D
1,2-Dichloropropane	ND	13	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.1	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,3-Dichlorobenzene	ND	8.0	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,3-Dichloropropane	ND	7.9	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
1,4-Dichlorobenzene	ND	6.8	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
2,2-Dichloropropane	ND	17	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
2-Butanone	ND	310	1700	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
2-Chlorotoluene	ND	4.4	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
2-Hexanone	ND	50	1700	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
4-Chlorotoluene	ND	5.3	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
4-Methyl-2-pentanone	ND	67	1700	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Acetone	ND	260	1700	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Benzene	ND	2.7	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Bromobenzene	ND	8.7	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Bromochloromethane	ND	16	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Bromodichloromethane	ND	5.8	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Bromoform	ND	26	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Carbon disulfide	ND	3.9	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1, LC
Carbon tetrachloride	ND	7.0	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Chlorobenzene	ND	6.3	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Chloroform	ND	6.5	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Chloromethane	ND	14	85	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
cis-1,2-Dichloroethene	ND	14	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
cis-1,3-Dichloropropene	ND	9.6	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Dibromochloromethane	ND	9.1	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Dibromomethane	ND	19	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Dichlorodifluoromethane	ND	8.7	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(8-9)-20200701**

Date Sampled

A202713-03 (Soil)

07/01/2020 12:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

Preparation Batch: A007107

Diisopropyl Ether	ND	24	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Ethylbenzene	ND	3.6	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Hexachlorobutadiene	ND	11	170	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Isopropylbenzene	ND	3.9	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
m,p-Xylene	ND	5.3	85	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Methyl t-Butyl Ether	ND	7.3	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Methylene chloride	ND	12	170	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1, LC
Naphthalene	ND	6.5	430	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
n-Butyl Benzene	ND	5.5	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
n-Propyl Benzene	ND	5.8	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
o-Xylene	ND	5.1	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
p-Isopropyltoluene	ND	4.8	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
sec-Butyl Benzene	ND	4.1	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Styrene	ND	6.8	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
tert-Butylbenzene	ND	4.6	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
<b>Tetrachloroethene</b>	<b>45</b>	9.7	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Tetrahydrofuran	ND	190	850	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
Toluene	ND	6.8	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
trans-1,2-Dichloroethene	ND	7.7	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	7.3	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	
<b>Trichloroethene</b>	<b>21</b>	7.0	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	J
Vinyl chloride	ND	9.9	43	ug/kg dry	1	07/01/2020	07/02/2020 11:37	EPA 8260B	LC
Surrogate: Toluene-d8			73.9 %	61.9-110		07/01/2020	07/02/2020 11:37	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			80.8 %	59.1-115		07/01/2020	07/02/2020 11:37	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			73.3 %	80-120		07/01/2020	07/02/2020 11:37	EPA 8260B	S

**Classical Chemistry Parameters**

Preparation Batch: A007111

<b>% Solids</b>	<b>71.0</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(11-12)-20200701**

**A202713-04 (Soil)**

**Date Sampled**  
**07/01/2020 12:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.3	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	E1
1,1,1-Trichloroethane	ND	8.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.3	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,1,2-Trichloroethane	ND	7.6	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.0	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,1-Dichloroethane	ND	11	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,1-Dichloroethene	ND	8.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,1-Dichloropropene	ND	4.4	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,2,3-Trichlorobenzene	ND	6.7	120	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,2,3-Trichloropropane	ND	7.9	61	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	7.7	120	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.2	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	13	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.9	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,2-Dichlorobenzene	ND	3.3	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>36</b>	5.6	30	ug/kg dry	1	07/01/2020	07/02/2020 10:59	EPA 8260B	
1,2-Dichloropropane	ND	9.3	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.9	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,3-Dichlorobenzene	ND	5.7	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,3-Dichloropropane	ND	5.6	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
1,4-Dichlorobenzene	ND	4.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
2,2-Dichloropropane	ND	12	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
2-Butanone	ND	220	1200	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
2-Chlorotoluene	ND	3.1	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
2-Hexanone	ND	35	1200	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
4-Chlorotoluene	ND	3.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
4-Methyl-2-pentanone	ND	47	1200	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Acetone	ND	180	1200	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Benzene	ND	1.9	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Bromobenzene	ND	6.2	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Bromochloromethane	ND	12	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Bromodichloromethane	ND	4.1	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Bromoform	ND	18	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Carbon disulfide	ND	2.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Carbon tetrachloride	ND	5.0	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Chlorobenzene	ND	4.5	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Chloroform	ND	4.6	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Chloromethane	ND	9.6	61	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.7	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Dibromochloromethane	ND	6.4	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Dibromomethane	ND	13	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Dichlorodifluoromethane	ND	6.2	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-16(11-12)-20200701**

**A202713-04 (Soil)**

**Date Sampled**  
**07/01/2020 12:20**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	17	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Ethylbenzene	ND	2.5	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Hexachlorobutadiene	ND	7.7	120	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Isopropylbenzene	ND	2.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
m,p-Xylene	ND	3.8	61	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Methyl t-Butyl Ether	ND	5.2	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Methylene chloride	ND	8.5	120	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
<b>Naphthalene</b>	<b>6.7</b>	4.6	300	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	J, B
n-Butyl Benzene	ND	3.9	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
n-Propyl Benzene	ND	4.1	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
o-Xylene	ND	3.6	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
<b>p-Isopropyltoluene</b>	<b>14</b>	3.4	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	J
sec-Butyl Benzene	ND	2.9	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Styrene	ND	4.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
tert-Butylbenzene	ND	3.3	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Tetrachloroethene	ND	6.9	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Tetrahydrofuran	ND	130	610	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Toluene	ND	4.8	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.4	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
trans-1,3-Dichloropropene	ND	5.2	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Trichloroethene	ND	5.0	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Vinyl chloride	ND	7.0	30	ug/kg dry	1	07/01/2020	07/01/2020 21:42	EPA 8260B	
Surrogate: Toluene-d8			90.7 %	61.9-110		07/01/2020	07/01/2020 21:42	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			105 %	59.1-115		07/01/2020	07/01/2020 21:42	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			80.5 %	80-120		07/01/2020	07/01/2020 21:42	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>79.9</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(1-2)-20200701**

**A202713-05 (Soil)**

**Date Sampled**  
**07/01/2020 12:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,1,1-Trichloroethane	ND	10	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.6	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,1,2-Trichloroethane	ND	9.0	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	13	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,1-Dichloroethene	ND	10	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	5.2	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	7.9	140	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2,3-Trichloropropane	ND	9.3	72	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	9.2	140	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2,4-Trimethylbenzene	ND	5.0	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	16	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	7.0	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2-Dichlorobenzene	ND	3.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2-Dichloroethane	ND	6.6	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,2-Dichloropropane	ND	11	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.4	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,3-Dichlorobenzene	ND	6.7	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,3-Dichloropropane	ND	6.6	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
1,4-Dichlorobenzene	ND	5.7	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
2,2-Dichloropropane	ND	14	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
2-Butanone	ND	260	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
2-Chlorotoluene	ND	3.7	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
2-Hexanone	ND	42	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
4-Chlorotoluene	ND	4.4	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
4-Methyl-2-pentanone	ND	56	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Benzene	ND	2.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Bromobenzene	ND	7.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Bromochloromethane	ND	14	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Bromodichloromethane	ND	4.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Bromoform	ND	21	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Carbon disulfide	ND	3.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1, LC
Carbon tetrachloride	ND	5.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Chlorobenzene	ND	5.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Chloroform	ND	5.4	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Chloromethane	ND	11	72	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
cis-1,3-Dichloropropene	ND	8.0	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Dibromochloromethane	ND	7.6	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Dibromomethane	ND	16	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Dichlorodifluoromethane	ND	7.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(1-2)-20200701**

**A202713-05 (Soil)**

**Date Sampled**  
**07/01/2020 12:30**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	20	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Ethylbenzene	ND	3.0	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Hexachlorobutadiene	ND	9.2	140	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Isopropylbenzene	ND	3.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
m,p-Xylene	ND	4.4	72	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Methyl t-Butyl Ether	ND	6.2	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Methylene chloride	ND	10	140	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1, LC
Naphthalene	ND	5.4	360	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
n-Butyl Benzene	ND	4.6	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
n-Propyl Benzene	ND	4.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
o-Xylene	ND	4.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
p-Isopropyltoluene	ND	4.0	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
sec-Butyl Benzene	ND	3.4	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Styrene	ND	5.7	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
tert-Butylbenzene	ND	3.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Tetrachloroethene	ND	8.2	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Tetrahydrofuran	ND	160	720	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Toluene	ND	5.7	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.4	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	6.2	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Trichloroethene	ND	5.9	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	
Vinyl chloride	ND	8.3	36	ug/kg dry	1	07/01/2020	07/02/2020 12:02	EPA 8260B	LC
Surrogate: Toluene-d8			72.6 %	61.9-110		07/01/2020	07/02/2020 12:02	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			81.4 %	59.1-115		07/01/2020	07/02/2020 12:02	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			71.2 %	80-120		07/01/2020	07/02/2020 12:02	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>84.2</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(6-7)-20200701**

**A202713-06 (Soil)**

**Date Sampled**  
**07/01/2020 12:35**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	15	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	E1
1,1,1-Trichloroethane	ND	14	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	12	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
<b>1,1,2-Trichloroethane</b>	<b>600</b>	12	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	8.0	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,1-Dichloroethane	ND	18	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>15</b>	14	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	J
1,1-Dichloropropene	ND	7.0	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	11	200	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,2,3-Trichloropropane	ND	13	98	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	13	200	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	6.8	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	21	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	9.6	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,2-Dichlorobenzene	ND	5.3	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>4100</b>	9.0	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	HC
1,2-Dichloropropane	ND	15	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	4.7	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,3-Dichlorobenzene	ND	9.2	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,3-Dichloropropane	ND	9.0	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
1,4-Dichlorobenzene	ND	7.8	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
2,2-Dichloropropane	ND	20	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
2-Butanone	ND	350	2000	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
2-Chlorotoluene	ND	5.1	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
2-Hexanone	ND	57	2000	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
4-Chlorotoluene	ND	6.1	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
4-Methyl-2-pentanone	ND	76	2000	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Acetone	ND	290	2000	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Benzene	ND	3.1	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Bromobenzene	ND	10	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Bromochloromethane	ND	19	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Bromodichloromethane	ND	6.6	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Bromoform	ND	29	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Carbon disulfide	ND	4.5	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Carbon tetrachloride	ND	8.0	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Chlorobenzene	ND	7.2	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Chloroform	ND	7.4	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Chloromethane	ND	15	98	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
cis-1,2-Dichloroethene	ND	16	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
cis-1,3-Dichloropropene	ND	11	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Dibromochloromethane	ND	10	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Dibromomethane	ND	21	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Dichlorodifluoromethane	ND	10	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(6-7)-20200701**

Date Sampled  
07/01/2020 12:35

**A202713-06 (Soil)**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

<b>Diisopropyl Ether</b>	<b>650</b>	27	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Ethylbenzene	ND	4.1	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Hexachlorobutadiene	ND	13	200	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Isopropylbenzene	ND	4.5	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
m,p-Xylene	ND	6.1	98	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Methyl t-Butyl Ether	ND	8.4	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Methylene chloride	ND	14	200	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Naphthalene	ND	7.4	490	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
n-Butyl Benzene	ND	6.3	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
n-Propyl Benzene	ND	6.6	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
o-Xylene	ND	5.9	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
p-Isopropyltoluene	ND	5.5	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
sec-Butyl Benzene	ND	4.7	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Styrene	ND	7.8	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
tert-Butylbenzene	ND	5.3	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
<b>Tetrachloroethene</b>	<b>58</b>	11	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Tetrahydrofuran	ND	210	980	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Toluene	ND	7.8	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
trans-1,2-Dichloroethene	ND	8.8	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
trans-1,3-Dichloropropene	ND	8.4	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
<b>Trichloroethene</b>	<b>510</b>	8.0	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Vinyl chloride	ND	11	49	ug/kg dry	1	07/01/2020	07/01/2020 22:08	EPA 8260B	
Surrogate: Toluene-d8			63.2 %	61.9-110		07/01/2020	07/01/2020 22:08	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			71.4 %	59.1-115		07/01/2020	07/01/2020 22:08	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			54.8 %	80-120		07/01/2020	07/01/2020 22:08	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007111**

<b>% Solids</b>	<b>67.4</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(11-12)-20200701**

**A202713-07 (Soil)**

**Date Sampled**  
**07/01/2020 12:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	9.5	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,1,1-Trichloroethane	ND	9.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	7.4	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,1,2-Trichloroethane	ND	7.8	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.1	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	11	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>10</b>	9.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1, LC, J
1,1-Dichloropropene	ND	4.4	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	6.8	120	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,2,3-Trichloropropane	ND	8.0	62	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	7.9	120	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	14	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.1	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,2-Dichlorobenzene	ND	3.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>28000</b>	1100	6200	ug/kg dry	200	07/01/2020	07/06/2020 15:19	EPA 8260B	D
1,2-Dichloropropane	ND	9.5	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,3-Dichlorobenzene	ND	5.8	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,3-Dichloropropane	ND	5.7	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
1,4-Dichlorobenzene	ND	4.9	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
2,2-Dichloropropane	ND	12	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
2-Butanone	ND	220	1200	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
2-Chlorotoluene	ND	3.2	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
2-Hexanone	ND	36	1200	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
4-Chlorotoluene	ND	3.8	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
4-Methyl-2-pentanone	ND	48	1200	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Acetone	ND	190	1200	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
<b>Benzene</b>	<b>8.6</b>	2.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	J
Bromobenzene	ND	6.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Bromochloromethane	ND	12	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Bromodichloromethane	ND	4.2	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Bromoform	ND	19	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Carbon disulfide	ND	2.8	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1, LC
Carbon tetrachloride	ND	5.1	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Chlorobenzene	ND	4.6	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Chloroform	ND	4.7	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Chloromethane	ND	9.8	62	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
cis-1,2-Dichloroethene	ND	9.9	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.9	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Dibromochloromethane	ND	6.5	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Dibromomethane	ND	14	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Dichlorodifluoromethane	ND	6.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(11-12)-20200701**

**A202713-07 (Soil)**

**Date Sampled**  
**07/01/2020 12:40**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	17	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Ethylbenzene	ND	2.6	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Hexachlorobutadiene	ND	7.9	120	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Isopropylbenzene	ND	2.8	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
m,p-Xylene	ND	3.8	62	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Methyl t-Butyl Ether	ND	5.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Methylene chloride	ND	8.6	120	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1, LC
Naphthalene	ND	4.7	310	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
n-Butyl Benzene	ND	4.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
n-Propyl Benzene	ND	4.2	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
o-Xylene	ND	3.7	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
p-Isopropyltoluene	ND	3.5	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
sec-Butyl Benzene	ND	3.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Styrene	ND	4.9	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
tert-Butylbenzene	ND	3.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
<b>Tetrachloroethene</b>	<b>14</b>	7.0	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	J
Tetrahydrofuran	ND	140	620	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
Toluene	ND	4.9	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
trans-1,2-Dichloroethene	ND	5.6	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	5.3	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
<b>Trichloroethene</b>	<b>52</b>	5.1	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	
<b>Vinyl chloride</b>	<b>240</b>	7.2	31	ug/kg dry	1	07/01/2020	07/02/2020 12:27	EPA 8260B	LC
Surrogate: Toluene-d8			93.9 %	61.9-110		07/01/2020	07/02/2020 12:27	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			103 %	59.1-115		07/01/2020	07/02/2020 12:27	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			92.5 %	80-120		07/01/2020	07/02/2020 12:27	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>78.3</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(13-14)-20200701**

**A202713-08 (Soil)**

**Date Sampled**  
**07/01/2020 12:45**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	E1
1,1,1-Trichloroethane	ND	10	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.3	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,1,2-Trichloroethane	ND	8.8	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.7	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,1-Dichloroethane	ND	13	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>1,1-Dichloroethene</b>	<b>22</b>	10	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	J
1,1-Dichloropropene	ND	5.0	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.6	140	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,2,3-Trichloropropane	ND	9.0	69	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	8.9	140	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.9	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	15	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.8	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,2-Dichlorobenzene	ND	3.8	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>46000</b>	130	690	ug/kg dry	20	07/01/2020	07/02/2020 14:40	EPA 8260B	D
1,2-Dichloropropane	ND	11	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.3	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,3-Dichlorobenzene	ND	6.5	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,3-Dichloropropane	ND	6.4	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
1,4-Dichlorobenzene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
2,2-Dichloropropane	ND	14	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
2-Butanone	ND	250	1400	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
2-Chlorotoluene	ND	3.6	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
2-Hexanone	ND	40	1400	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
4-Chlorotoluene	ND	4.3	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
4-Methyl-2-pentanone	ND	54	1400	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>Benzene</b>	<b>9.7</b>	2.2	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	J
Bromobenzene	ND	7.1	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Bromochloromethane	ND	13	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Bromodichloromethane	ND	4.7	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Bromoform	ND	21	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Carbon disulfide	ND	3.2	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Carbon tetrachloride	ND	5.7	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Chlorobenzene	ND	5.1	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Chloroform	ND	5.3	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Chloromethane	ND	11	69	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>cis-1,2-Dichloroethene</b>	<b>17</b>	11	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	J
cis-1,3-Dichloropropene	ND	7.8	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Dibromochloromethane	ND	7.4	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Dibromomethane	ND	15	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Dichlorodifluoromethane	ND	7.1	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-17(13-14)-20200701**

Date Sampled  
07/01/2020 12:45

A202713-08 (Soil)

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

Preparation Batch: A007109

Diisopropyl Ether	ND	19	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Ethylbenzene	ND	2.9	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Hexachlorobutadiene	ND	8.9	140	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Isopropylbenzene	ND	3.2	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
m,p-Xylene	ND	4.3	69	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Methyl t-Butyl Ether	ND	6.0	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Methylene chloride	ND	9.7	140	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Naphthalene	ND	5.3	350	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
n-Butyl Benzene	ND	4.4	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
n-Propyl Benzene	ND	4.7	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
o-Xylene	ND	4.2	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
p-Isopropyltoluene	ND	3.9	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
sec-Butyl Benzene	ND	3.3	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Styrene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
tert-Butylbenzene	ND	3.8	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>Tetrachloroethene</b>	<b>9.0</b>	7.9	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	J
Tetrahydrofuran	ND	150	690	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
Toluene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.3	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.0	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>Trichloroethene</b>	<b>78</b>	5.7	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	
<b>Vinyl chloride</b>	<b>430</b>	8.1	35	ug/kg dry	1	07/01/2020	07/01/2020 22:34	EPA 8260B	

Surrogate: Toluene-d8			67.8 %	61.9-110		07/01/2020	07/01/2020 22:34	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			83.3 %	59.1-115		07/01/2020	07/01/2020 22:34	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			61.3 %	80-120		07/01/2020	07/01/2020 22:34	EPA 8260B	S

**Classical Chemistry Parameters**

Preparation Batch: A007112

<b>% Solids</b>	<b>73.4</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-18(1-2)-20200701**

**A202713-09 (Soil)**

**Date Sampled**  
**07/01/2020 12:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,1,1-Trichloroethane	ND	10	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.4	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,1,2-Trichloroethane	ND	8.8	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.7	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	13	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,1-Dichloroethene	ND	10	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	5.0	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	7.7	140	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,2,3-Trichloropropane	ND	9.1	70	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	8.9	140	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
<b>1,2,4-Trimethylbenzene</b>	<b>10</b>	4.9	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	J
1,2-Dibromo-3-chloropropane	ND	15	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.8	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,2-Dichlorobenzene	ND	3.8	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,2-Dichloroethane	ND	6.4	35	ug/kg dry	1	07/01/2020	07/06/2020 12:24	EPA 8260B	
1,2-Dichloropropane	ND	11	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.4	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,3-Dichlorobenzene	ND	6.6	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,3-Dichloropropane	ND	6.4	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
1,4-Dichlorobenzene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
2,2-Dichloropropane	ND	14	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
2-Butanone	ND	250	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
2-Chlorotoluene	ND	3.6	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
2-Hexanone	ND	40	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
4-Chlorotoluene	ND	4.3	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
4-Methyl-2-pentanone	ND	54	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Benzene	ND	2.2	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Bromobenzene	ND	7.1	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Bromochloromethane	ND	13	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Bromodichloromethane	ND	4.7	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Bromoform	ND	21	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Carbon disulfide	ND	3.2	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1, LC
Carbon tetrachloride	ND	5.7	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Chlorobenzene	ND	5.2	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
<b>Chloroform</b>	<b>18</b>	5.3	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	J
Chloromethane	ND	11	70	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.8	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Dibromochloromethane	ND	7.4	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Dibromomethane	ND	15	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Dichlorodifluoromethane	ND	7.1	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-18(1-2)-20200701**

**A202713-09 (Soil)**

**Date Sampled**  
**07/01/2020 12:50**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	20	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Ethylbenzene	ND	2.9	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Hexachlorobutadiene	ND	8.9	140	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Isopropylbenzene	ND	3.2	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
<b>m,p-Xylene</b>	<b>21</b>	4.3	70	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	J
Methyl t-Butyl Ether	ND	6.0	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Methylene chloride	ND	9.8	140	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1, LC
<b>Naphthalene</b>	<b>9.1</b>	5.3	350	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	J
n-Butyl Benzene	ND	4.5	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
n-Propyl Benzene	ND	4.7	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
<b>o-Xylene</b>	<b>9.8</b>	4.2	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	J
p-Isopropyltoluene	ND	3.9	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
sec-Butyl Benzene	ND	3.4	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Styrene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
tert-Butylbenzene	ND	3.8	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Tetrachloroethene	ND	8.0	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Tetrahydrofuran	ND	150	700	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Toluene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.3	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	6.0	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Trichloroethene	ND	5.7	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	
Vinyl chloride	ND	8.1	35	ug/kg dry	1	07/01/2020	07/02/2020 12:54	EPA 8260B	LC
Surrogate: Toluene-d8			75.8 %	61.9-110		07/01/2020	07/02/2020 12:54	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			81.4 %	59.1-115		07/01/2020	07/02/2020 12:54	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			74.0 %	80-120		07/01/2020	07/02/2020 12:54	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>85.3</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-18(3-4)-20200701**

**A202713-10 (Soil)**

**Date Sampled**  
**07/01/2020 12:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	18	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	E1
1,1,1-Trichloroethane	ND	17	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	14	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,1,2-Trichloroethane	ND	15	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	9.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,1-Dichloroethane	ND	22	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,1-Dichloroethene	ND	17	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,1-Dichloropropene	ND	8.5	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,2,3-Trichlorobenzene	ND	13	240	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,2,3-Trichloropropane	ND	15	120	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	15	240	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.2	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	26	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,2-Dichlorobenzene	ND	6.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>27</b>	11	59	ug/kg dry	1	07/01/2020	07/02/2020 11:54	EPA 8260B	J
1,2-Dichloropropane	ND	18	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,3-Dichlorobenzene	ND	11	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,3-Dichloropropane	ND	11	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
1,4-Dichlorobenzene	ND	9.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
2,2-Dichloropropane	ND	24	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
2-Butanone	ND	420	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
2-Chlorotoluene	ND	6.1	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
2-Hexanone	ND	68	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
4-Chlorotoluene	ND	7.3	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
4-Methyl-2-pentanone	ND	92	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Acetone	ND	350	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Benzene	ND	3.8	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Bromobenzene	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Bromochloromethane	ND	23	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Bromodichloromethane	ND	8.0	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Bromoform	ND	35	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Carbon disulfide	ND	5.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Carbon tetrachloride	ND	9.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Chlorobenzene	ND	8.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Chloroform	ND	8.9	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Chloromethane	ND	19	120	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
cis-1,2-Dichloroethene	ND	19	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
cis-1,3-Dichloropropene	ND	13	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Dibromochloromethane	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Dibromomethane	ND	26	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Dichlorodifluoromethane	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-18(3-4)-20200701**

**A202713-10 (Soil)**

**Date Sampled**  
**07/01/2020 12:55**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	33	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Ethylbenzene	ND	4.9	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Hexachlorobutadiene	ND	15	240	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Isopropylbenzene	ND	5.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
m,p-Xylene	ND	7.3	120	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Methyl t-Butyl Ether	ND	10	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Methylene chloride	ND	16	240	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
<b>Naphthalene</b>	<b>13</b>	8.9	590	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	J, B
n-Butyl Benzene	ND	7.5	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
n-Propyl Benzene	ND	8.0	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
o-Xylene	ND	7.1	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
p-Isopropyltoluene	ND	6.6	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
sec-Butyl Benzene	ND	5.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Styrene	ND	9.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
tert-Butylbenzene	ND	6.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Tetrachloroethene	ND	13	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Tetrahydrofuran	ND	260	1200	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Toluene	ND	9.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
trans-1,3-Dichloropropene	ND	10	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Trichloroethene	ND	9.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Vinyl chloride	ND	14	59	ug/kg dry	1	07/01/2020	07/01/2020 23:00	EPA 8260B	
Surrogate: Toluene-d8			76.3 %	61.9-110		07/01/2020	07/01/2020 23:00	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			87.7 %	59.1-115		07/01/2020	07/01/2020 23:00	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			66.3 %	80-120		07/01/2020	07/01/2020 23:00	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>74.9</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-19(1-2)-20200701**

**A202713-11 (Soil)**

**Date Sampled**  
**07/01/2020 13:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	8.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,1,1-Trichloroethane	ND	7.8	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	6.4	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,1,2-Trichloroethane	ND	6.8	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	4.4	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	10	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,1-Dichloroethene	ND	7.8	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	3.9	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	5.9	110	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,2,3-Trichloropropane	ND	7.0	54	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	6.9	110	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,2,4-Trimethylbenzene	ND	3.8	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	12	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	5.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,2-Dichlorobenzene	ND	2.9	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>7.5</b>	4.9	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	J
1,2-Dichloropropane	ND	8.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,3,5-Trimethylbenzene	ND	2.6	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,3-Dichlorobenzene	ND	5.0	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,3-Dichloropropane	ND	4.9	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
1,4-Dichlorobenzene	ND	4.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
2,2-Dichloropropane	ND	11	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
2-Butanone	ND	190	1100	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
2-Chlorotoluene	ND	2.8	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
2-Hexanone	ND	31	1100	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
4-Chlorotoluene	ND	3.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
4-Methyl-2-pentanone	ND	42	1100	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Acetone	ND	160	1100	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Benzene	ND	1.7	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Bromobenzene	ND	5.5	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Bromochloromethane	ND	10	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Bromodichloromethane	ND	3.7	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Bromoform	ND	16	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Carbon disulfide	ND	2.5	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1, LC
Carbon tetrachloride	ND	4.4	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Chlorobenzene	ND	4.0	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Chloroform	ND	4.1	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Chloromethane	ND	8.5	54	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
cis-1,2-Dichloroethene	ND	8.6	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
cis-1,3-Dichloropropene	ND	6.0	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Dibromochloromethane	ND	5.7	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Dibromomethane	ND	12	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Dichlorodifluoromethane	ND	5.5	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-19(1-2)-20200701**

**A202713-11 (Soil)**

**Date Sampled**  
**07/01/2020 13:00**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	15	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Ethylbenzene	ND	2.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Hexachlorobutadiene	ND	6.9	110	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Isopropylbenzene	ND	2.5	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
<b>m,p-Xylene</b>	<b>6.4</b>	3.3	54	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	J
Methyl t-Butyl Ether	ND	4.6	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Methylene chloride	ND	7.5	110	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1, LC
<b>Naphthalene</b>	<b>7.0</b>	4.1	270	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	J
n-Butyl Benzene	ND	3.4	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
n-Propyl Benzene	ND	3.7	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
o-Xylene	ND	3.2	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
p-Isopropyltoluene	ND	3.0	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
sec-Butyl Benzene	ND	2.6	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Styrene	ND	4.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
tert-Butylbenzene	ND	2.9	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Tetrachloroethene	ND	6.1	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Tetrahydrofuran	ND	120	540	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Toluene	ND	4.3	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
trans-1,2-Dichloroethene	ND	4.8	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	4.6	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Trichloroethene	ND	4.4	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	
Vinyl chloride	ND	6.2	27	ug/kg dry	1	07/01/2020	07/02/2020 13:19	EPA 8260B	LC
Surrogate: Toluene-d8			85.8 %	61.9-110		07/01/2020	07/02/2020 13:19	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			95.8 %	59.1-115		07/01/2020	07/02/2020 13:19	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			87.0 %	80-120		07/01/2020	07/02/2020 13:19	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>88.4</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-19(3-4)-20200701**

**A202713-12 (Soil)**

**Date Sampled**  
**07/01/2020 13:05**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	18	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	E1
1,1,1-Trichloroethane	ND	17	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	14	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,1,2-Trichloroethane	ND	15	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	9.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,1-Dichloroethane	ND	22	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,1-Dichloroethene	ND	17	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,1-Dichloropropene	ND	8.5	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,2,3-Trichlorobenzene	ND	13	240	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,2,3-Trichloropropane	ND	15	120	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	15	240	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.3	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	26	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,2-Dichlorobenzene	ND	6.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>17</b>	11	59	ug/kg dry	1	07/01/2020	07/02/2020 12:21	EPA 8260B	J
1,2-Dichloropropane	ND	18	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,3-Dichlorobenzene	ND	11	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,3-Dichloropropane	ND	11	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
1,4-Dichlorobenzene	ND	9.5	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
2,2-Dichloropropane	ND	24	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
2-Butanone	ND	430	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
2-Chlorotoluene	ND	6.2	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
2-Hexanone	ND	69	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
4-Chlorotoluene	ND	7.3	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
4-Methyl-2-pentanone	ND	92	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Acetone	ND	350	2400	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Benzene	ND	3.8	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Bromobenzene	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Bromochloromethane	ND	23	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Bromodichloromethane	ND	8.0	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Bromoform	ND	35	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Carbon disulfide	ND	5.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Carbon tetrachloride	ND	9.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Chlorobenzene	ND	8.8	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Chloroform	ND	9.0	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Chloromethane	ND	19	120	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
cis-1,2-Dichloroethene	ND	19	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
cis-1,3-Dichloropropene	ND	13	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Dibromochloromethane	ND	13	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Dibromomethane	ND	26	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Dichlorodifluoromethane	ND	12	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-19(3-4)-20200701**

**A202713-12 (Soil)**

**Date Sampled**  
**07/01/2020 13:05**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	33	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Ethylbenzene	ND	5.0	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Hexachlorobutadiene	ND	15	240	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Isopropylbenzene	ND	5.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
m,p-Xylene	ND	7.3	120	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Methyl t-Butyl Ether	ND	10	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Methylene chloride	ND	17	240	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
<b>Naphthalene</b>	<b>12</b>	9.0	590	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	J, B
n-Butyl Benzene	ND	7.6	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
n-Propyl Benzene	ND	8.0	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
o-Xylene	ND	7.1	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
p-Isopropyltoluene	ND	6.6	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
sec-Butyl Benzene	ND	5.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Styrene	ND	9.5	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
tert-Butylbenzene	ND	6.4	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Tetrachloroethene	ND	13	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Tetrahydrofuran	ND	260	1200	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Toluene	ND	9.5	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
trans-1,3-Dichloropropene	ND	10	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Trichloroethene	ND	9.7	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	
Vinyl chloride	ND	14	59	ug/kg dry	1	07/01/2020	07/01/2020 23:26	EPA 8260B	

Surrogate: Toluene-d8

69.0 % 61.9-110

07/01/2020 07/01/2020 23:26 EPA 8260B

Surrogate: 4-Bromofluorobenzene

77.2 % 59.1-115

07/01/2020 07/01/2020 23:26 EPA 8260B

Surrogate: 1,2-Dichlorobenzene-d4

61.1 % 80-120

07/01/2020 07/01/2020 23:26 EPA 8260B S

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>72.7</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-20(1-2)-20200701**

**A202713-13 (Soil)**

**Date Sampled**  
**07/01/2020 13:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	19	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,1,1-Trichloroethane	ND	18	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	15	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,1,2-Trichloroethane	ND	15	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	10	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1, LC
1,1-Dichloroethane	ND	23	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,1-Dichloroethene	ND	18	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1, LC
1,1-Dichloropropene	ND	8.8	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1
1,2,3-Trichlorobenzene	ND	13	250	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,2,3-Trichloropropane	ND	16	120	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	16	250	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,2,4-Trimethylbenzene	ND	8.6	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	27	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	12	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,2-Dichlorobenzene	ND	6.6	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>17</b>	11	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	J
1,2-Dichloropropane	ND	19	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,3,5-Trimethylbenzene	ND	5.9	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,3-Dichlorobenzene	ND	12	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,3-Dichloropropane	ND	11	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
1,4-Dichlorobenzene	ND	9.8	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
2,2-Dichloropropane	ND	25	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
2-Butanone	ND	440	2500	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
2-Chlorotoluene	ND	6.4	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
2-Hexanone	ND	71	2500	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
4-Chlorotoluene	ND	7.6	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
4-Methyl-2-pentanone	ND	96	2500	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Acetone	ND	370	2500	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Benzene	ND	3.9	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Bromobenzene	ND	13	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Bromochloromethane	ND	24	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Bromodichloromethane	ND	8.3	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Bromoform	ND	37	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Carbon disulfide	ND	5.6	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1, LC
Carbon tetrachloride	ND	10	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Chlorobenzene	ND	9.1	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Chloroform	ND	9.3	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Chloromethane	ND	19	120	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
cis-1,2-Dichloroethene	ND	20	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
cis-1,3-Dichloropropene	ND	14	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Dibromochloromethane	ND	13	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Dibromomethane	ND	27	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Dichlorodifluoromethane	ND	13	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-20(1-2)-20200701**  
**A202713-13 (Soil)**

**Date Sampled**  
**07/01/2020 13:10**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007107**

Diisopropyl Ether	ND	34	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Ethylbenzene	ND	5.1	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Hexachlorobutadiene	ND	16	250	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Isopropylbenzene	ND	5.6	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
<b>m,p-Xylene</b>	<b>23</b>	7.6	120	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	J
Methyl t-Butyl Ether	ND	11	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Methylene chloride	ND	17	250	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1, LC
<b>Naphthalene</b>	<b>980</b>	9.3	610	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
n-Butyl Benzene	ND	7.8	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
n-Propyl Benzene	ND	8.3	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
<b>o-Xylene</b>	<b>15</b>	7.4	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	J
p-Isopropyltoluene	ND	6.9	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
sec-Butyl Benzene	ND	5.9	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Styrene	ND	9.8	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
tert-Butylbenzene	ND	6.6	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Tetrachloroethene	ND	14	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Tetrahydrofuran	ND	270	1200	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Toluene	ND	9.8	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
trans-1,2-Dichloroethene	ND	11	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	E1, LC
trans-1,3-Dichloropropene	ND	11	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Trichloroethene	ND	10	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	
Vinyl chloride	ND	14	61	ug/kg dry	1	07/01/2020	07/02/2020 13:44	EPA 8260B	LC
Surrogate: Toluene-d8			62.7 %	61.9-110		07/01/2020	07/02/2020 13:44	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			73.2 %	59.1-115		07/01/2020	07/02/2020 13:44	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			63.2 %	80-120		07/01/2020	07/02/2020 13:44	EPA 8260B	S

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>92.7</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-20(3-4)-20200701**

**A202713-14 (Soil)**

**Date Sampled**  
**07/01/2020 13:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
1,1,1,2-Tetrachloroethane	ND	11	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	E1
1,1,1-Trichloroethane	ND	10	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	8.3	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,1,2-Trichloroethane	ND	8.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	5.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,1-Dichloroethane	ND	13	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,1-Dichloroethene	ND	10	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,1-Dichloropropene	ND	5.0	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,2,3-Trichlorobenzene	ND	7.6	140	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,2,3-Trichloropropane	ND	9.0	69	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	E1
1,2,4-Trichlorobenzene	ND	8.9	140	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,2,4-Trimethylbenzene	ND	4.9	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	15	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	6.8	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,2-Dichlorobenzene	ND	3.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
<b>1,2-Dichloroethane</b>	<b>24</b>	6.4	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	HC, J
1,2-Dichloropropane	ND	11	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,3,5-Trimethylbenzene	ND	3.3	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,3-Dichlorobenzene	ND	6.5	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,3-Dichloropropane	ND	6.4	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
1,4-Dichlorobenzene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
2,2-Dichloropropane	ND	14	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
2-Butanone	ND	250	1400	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
2-Chlorotoluene	ND	3.6	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
2-Hexanone	ND	40	1400	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
4-Chlorotoluene	ND	4.3	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
4-Methyl-2-pentanone	ND	54	1400	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Acetone	ND	210	1400	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Benzene	ND	2.2	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Bromobenzene	ND	7.1	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Bromochloromethane	ND	13	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Bromodichloromethane	ND	4.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Bromoform	ND	21	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Carbon disulfide	ND	3.2	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Carbon tetrachloride	ND	5.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Chlorobenzene	ND	5.1	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Chloroform	ND	5.3	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Chloromethane	ND	11	69	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
cis-1,2-Dichloroethene	ND	11	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
cis-1,3-Dichloropropene	ND	7.8	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Dibromochloromethane	ND	7.4	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Dibromomethane	ND	15	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Dichlorodifluoromethane	ND	7.1	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**TS-GP-20(3-4)-20200701**

**A202713-14 (Soil)**

**Date Sampled**  
**07/01/2020 13:15**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
---------	--------	--------------------	-----------------------	-------	----------	----------	----------	--------	------------

**Pace Analytical - Madison**

**Volatile Organic Compounds by Method 8260 - Purge and Trap**

**Preparation Batch: A007109**

Diisopropyl Ether	ND	19	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Ethylbenzene	ND	2.9	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Hexachlorobutadiene	ND	8.9	140	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Isopropylbenzene	ND	3.2	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
m,p-Xylene	ND	4.3	69	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Methyl t-Butyl Ether	ND	6.0	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Methylene chloride	ND	9.7	140	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Naphthalene	ND	5.3	350	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
n-Butyl Benzene	ND	4.4	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
n-Propyl Benzene	ND	4.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
o-Xylene	ND	4.2	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
p-Isopropyltoluene	ND	3.9	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
sec-Butyl Benzene	ND	3.3	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Styrene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
tert-Butylbenzene	ND	3.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Tetrachloroethene	ND	7.9	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Tetrahydrofuran	ND	150	690	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Toluene	ND	5.6	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
trans-1,2-Dichloroethene	ND	6.2	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
trans-1,3-Dichloropropene	ND	6.0	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Trichloroethene	ND	5.7	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Vinyl chloride	ND	8.1	35	ug/kg dry	1	07/01/2020	07/01/2020 23:52	EPA 8260B	
Surrogate: Toluene-d8			87.8 %	61.9-110		07/01/2020	07/01/2020 23:52	EPA 8260B	
Surrogate: 4-Bromofluorobenzene			108 %	59.1-115		07/01/2020	07/01/2020 23:52	EPA 8260B	
Surrogate: 1,2-Dichlorobenzene-d4			80.8 %	80-120		07/01/2020	07/01/2020 23:52	EPA 8260B	

**Classical Chemistry Parameters**

**Preparation Batch: A007112**

<b>% Solids</b>	<b>86.5</b>		0.00	% by Weight	1	07/01/2020	07/02/2020 07:15	SM 2540B	
-----------------	-------------	--	------	-------------	---	------------	------------------	----------	--

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**Blank (A007107-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 17:38

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							
2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**Blank (A007107-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 17:38

m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	ND	250	ug/kg wet							
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
<i>Surrogate: Toluene-d8</i>	<i>462</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>92.4</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>500</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>99.9</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>449</i>		<i>ug/kg wet</i>	<i>500.0</i>		<i>89.7</i>	<i>80-120</i>			

**LCS (A007107-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:51

1,1,1,2-Tetrachloroethane	221	25	ug/kg wet	250.0		88.4	85.9-112			
1,1,1-Trichloroethane	206	25	ug/kg wet	250.0		82.2	73.1-128			
1,1,2,2-Tetrachloroethane	215	25	ug/kg wet	250.0		86.0	76-118			
1,1,2-Trichloroethane	220	25	ug/kg wet	250.0		88.0	82.5-115			
1,1,2-Trichlorotrifluoroethane	123	25	ug/kg wet	250.0		49.2	63.5-140			
1,1-Dichloroethane	217	25	ug/kg wet	250.0		86.8	73-123			
1,1-Dichloroethene	111	25	ug/kg wet	250.0		44.2	56.6-131			
1,1-Dichloropropene	201	25	ug/kg wet	250.0		80.2	82.8-113			
1,2,3-Trichlorobenzene	230	100	ug/kg wet	250.0		91.8	79.2-108			
1,2,3-Trichloropropane	158	50	ug/kg wet	250.0		63.2	76.9-118			
1,2,4-Trichlorobenzene	233	100	ug/kg wet	250.0		93.0	75.5-109			
1,2,4-Trimethylbenzene	233	25	ug/kg wet	250.0		93.0	84.8-111			
1,2-Dibromo-3-chloropropane	178	25	ug/kg wet	250.0		71.2	64.6-118			
1,2-Dibromoethane (EDB)	220	25	ug/kg wet	250.0		88.0	83.4-112			
1,2-Dichlorobenzene	227	25	ug/kg wet	250.0		90.6	80-120			
1,2-Dichloroethane	219	25	ug/kg wet	250.0		87.4	67.3-134			
1,2-Dichloropropane	209	25	ug/kg wet	250.0		83.6	82.8-111			
1,3,5-Trimethylbenzene	230	25	ug/kg wet	250.0		92.0	85.5-111			
1,3-Dichlorobenzene	228	25	ug/kg wet	250.0		91.2	80-120			
1,3-Dichloropropane	215	25	ug/kg wet	250.0		85.8	83.5-113			
1,4-Dichlorobenzene	226	25	ug/kg wet	250.0		90.4	80-120			
2,2-Dichloropropane	229	25	ug/kg wet	250.0		91.4	69.7-125			
2-Butanone	3980	1000	ug/kg wet	2500		159	67.8-128			
2-Chlorotoluene	226	25	ug/kg wet	250.0		90.4	80-120			
2-Hexanone	3100	1000	ug/kg wet	2500		124	73.5-124			



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**LCS (A007107-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:51

4-Chlorotoluene	229	25	ug/kg wet	250.0		91.6	83.4-111			
4-Methyl-2-pentanone	2240	1000	ug/kg wet	2500		89.8	77.8-123			
Acetone	3910	1000	ug/kg wet	2500		156	40.1-182			
Benzene	207	25	ug/kg wet	250.0		82.8	77.1-115			
Bromobenzene	220	25	ug/kg wet	250.0		87.8	80-120			
Bromochloromethane	238	25	ug/kg wet	250.0		95.0	76.8-121			
Bromodichloromethane	208	25	ug/kg wet	250.0		83.0	78.9-117			
Bromoform	184	25	ug/kg wet	250.0		73.6	70.9-116			
Carbon disulfide	121	25	ug/kg wet	250.0		48.4	50.7-131			
Carbon tetrachloride	200	25	ug/kg wet	250.0		79.8	70.8-119			
Chlorobenzene	224	25	ug/kg wet	250.0		89.4	81.2-111			
Chloroform	205	25	ug/kg wet	250.0		82.0	72.4-127			
Chloromethane	158	50	ug/kg wet	250.0		63.0	52.6-126			
cis-1,2-Dichloroethene	225	25	ug/kg wet	250.0		90.0	76-115			
cis-1,3-Dichloropropene	214	25	ug/kg wet	250.0		85.4	80-120			
Dibromochloromethane	210	25	ug/kg wet	250.0		84.0	78-115			
Dibromomethane	220	25	ug/kg wet	250.0		87.8	81.6-117			
Dichlorodifluoromethane	159	25	ug/kg wet	250.0		63.4	39.6-115			
Diisopropyl Ether	236	25	ug/kg wet	250.0		94.2	77.5-120			
Ethylbenzene	218	25	ug/kg wet	250.0		87.0	82.3-110			
Hexachlorobutadiene	225	100	ug/kg wet	250.0		90.0	80.1-115			
Isopropylbenzene	227	25	ug/kg wet	250.0		90.6	82.9-114			
m,p-Xylene	446	50	ug/kg wet	500.0		89.1	81.8-111			
Methyl t-Butyl Ether	193	25	ug/kg wet	250.0		77.2	75.4-124			
Methylene chloride	155	100	ug/kg wet	250.0		61.8	62.2-132			
Naphthalene	229	250	ug/kg wet	250.0		91.4	67.8-111			J
n-Butyl Benzene	229	25	ug/kg wet	250.0		91.4	78.8-115			
n-Propyl Benzene	226	25	ug/kg wet	250.0		90.2	82.9-111			
o-Xylene	225	25	ug/kg wet	250.0		90.0	81.5-111			
p-Isopropyltoluene	233	25	ug/kg wet	250.0		93.0	83.3-111			
sec-Butyl Benzene	230	25	ug/kg wet	250.0		91.8	83.4-113			
Styrene	224	25	ug/kg wet	250.0		89.6	81.5-110			
tert-Butylbenzene	221	25	ug/kg wet	250.0		88.2	82.4-113			
Tetrachloroethene	216	25	ug/kg wet	250.0		86.2	73.7-114			
Tetrahydrofuran	2110	500	ug/kg wet	2500		84.2	69.8-127			
Toluene	210	25	ug/kg wet	250.0		83.8	77.5-112			
trans-1,2-Dichloroethene	180	25	ug/kg wet	250.0		72.0	73.5-116			
trans-1,3-Dichloropropene	222	25	ug/kg wet	250.0		88.6	80.9-110			
Trichloroethene	204	25	ug/kg wet	250.0		81.6	79.5-110			
Vinyl chloride	171	25	ug/kg wet	250.0		68.4	49.9-123			
Surrogate: Toluene-d8	210		ug/kg wet	250.0		83.8	61.9-110			
Surrogate: 4-Bromofluorobenzene	219		ug/kg wet	250.0		87.4	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	216		ug/kg wet	250.0		86.4	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**LCS Dup (A007107-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:47

1,1,1,2-Tetrachloroethane	241	25	ug/kg wet	250.0		96.2	85.9-112	8.45	20	
1,1,1-Trichloroethane	234	25	ug/kg wet	250.0		93.4	73.1-128	12.8	20	
1,1,2,2-Tetrachloroethane	252	25	ug/kg wet	250.0		101	76-118	15.8	20	
1,1,2-Trichloroethane	247	25	ug/kg wet	250.0		98.8	82.5-115	11.6	20	
1,1,2-Trichlorotrifluoroethane	122	25	ug/kg wet	250.0		48.6	63.5-140	1.23	20	
1,1-Dichloroethane	238	25	ug/kg wet	250.0		95.0	73-123	9.02	20	
1,1-Dichloroethene	119	25	ug/kg wet	250.0		47.6	56.6-131	7.41	20	
1,1-Dichloropropene	227	25	ug/kg wet	250.0		90.6	82.8-113	12.2	20	
1,2,3-Trichlorobenzene	252	100	ug/kg wet	250.0		101	79.2-108	9.15	20	
1,2,3-Trichloropropane	258	50	ug/kg wet	250.0		103	76.9-118	47.9	20	X
1,2,4-Trichlorobenzene	252	100	ug/kg wet	250.0		101	75.5-109	8.05	20	
1,2,4-Trimethylbenzene	258	25	ug/kg wet	250.0		103	84.8-111	10.2	20	
1,2-Dibromo-3-chloropropane	231	25	ug/kg wet	250.0		92.2	64.6-118	25.7	20	X
1,2-Dibromoethane (EDB)	244	25	ug/kg wet	250.0		97.4	83.4-112	10.1	20	
1,2-Dichlorobenzene	250	25	ug/kg wet	250.0		99.8	80-120	9.66	20	
1,2-Dichloroethane	249	25	ug/kg wet	250.0		99.4	67.3-134	12.8	20	
1,2-Dichloropropane	238	25	ug/kg wet	250.0		95.0	82.8-111	12.8	20	
1,3,5-Trimethylbenzene	254	25	ug/kg wet	250.0		102	85.5-111	9.92	20	
1,3-Dichlorobenzene	247	25	ug/kg wet	250.0		98.6	80-120	7.80	20	
1,3-Dichloropropane	244	25	ug/kg wet	250.0		97.4	83.5-113	12.7	20	
1,4-Dichlorobenzene	243	25	ug/kg wet	250.0		97.2	80-120	7.25	20	
2,2-Dichloropropane	233	25	ug/kg wet	250.0		93.2	69.7-125	1.95	20	
2-Butanone	4680	1000	ug/kg wet	2500		187	67.8-128	16.3	20	
2-Chlorotoluene	252	25	ug/kg wet	250.0		101	80-120	10.7	20	
2-Hexanone	3720	1000	ug/kg wet	2500		149	73.5-124	18.2	20	
4-Chlorotoluene	252	25	ug/kg wet	250.0		101	83.4-111	9.37	20	
4-Methyl-2-pentanone	2710	1000	ug/kg wet	2500		109	77.8-123	18.9	20	
Acetone	4990	1000	ug/kg wet	2500		199	40.1-182	24.2	20	X
Benzene	231	25	ug/kg wet	250.0		92.4	77.1-115	11.0	20	
Bromobenzene	245	25	ug/kg wet	250.0		98.0	80-120	11.0	20	
Bromochloromethane	253	25	ug/kg wet	250.0		101	76.8-121	6.32	20	
Bromodichloromethane	224	25	ug/kg wet	250.0		89.4	78.9-117	7.42	20	
Bromoform	212	25	ug/kg wet	250.0		84.8	70.9-116	14.1	20	
Carbon disulfide	133	25	ug/kg wet	250.0		53.0	50.7-131	9.07	20	
Carbon tetrachloride	216	25	ug/kg wet	250.0		86.4	70.8-119	7.94	20	
Chlorobenzene	247	25	ug/kg wet	250.0		98.6	81.2-111	9.79	20	
Chloroform	219	25	ug/kg wet	250.0		87.6	72.4-127	6.60	20	
Chloromethane	167	50	ug/kg wet	250.0		66.8	52.6-126	5.86	20	
cis-1,2-Dichloroethene	244	25	ug/kg wet	250.0		97.6	76-115	8.10	20	
cis-1,3-Dichloropropene	236	25	ug/kg wet	250.0		94.4	80-120	10.0	20	
Dibromochloromethane	230	25	ug/kg wet	250.0		91.8	78-115	8.87	20	
Dibromomethane	250	25	ug/kg wet	250.0		99.8	81.6-117	12.8	20	
Dichlorodifluoromethane	174	25	ug/kg wet	250.0		69.4	39.6-115	9.04	20	
Diisopropyl Ether	247	25	ug/kg wet	250.0		98.8	77.5-120	4.77	20	
Ethylbenzene	241	25	ug/kg wet	250.0		96.4	82.3-110	10.3	20	
Hexachlorobutadiene	250	100	ug/kg wet	250.0		99.8	80.1-115	10.3	20	
Isopropylbenzene	253	25	ug/kg wet	250.0		101	82.9-114	10.9	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007107 - EPA 5030B**

**LCS Dup (A007107-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:47

m,p-Xylene	505	50	ug/kg wet	500.0		101	81.8-111	12.5	20	
Methyl t-Butyl Ether	213	25	ug/kg wet	250.0		85.2	75.4-124	9.85	20	
Methylene chloride	162	100	ug/kg wet	250.0		64.6	62.2-132	4.43	20	
Naphthalene	273	250	ug/kg wet	250.0		109	67.8-111	17.7	20	
n-Butyl Benzene	255	25	ug/kg wet	250.0		102	78.8-115	10.8	20	
n-Propyl Benzene	256	25	ug/kg wet	250.0		102	82.9-111	12.7	20	
o-Xylene	245	25	ug/kg wet	250.0		98.0	81.5-111	8.51	20	
p-Isopropyltoluene	255	25	ug/kg wet	250.0		102	83.3-111	9.03	20	
sec-Butyl Benzene	258	25	ug/kg wet	250.0		103	83.4-113	11.7	20	
Styrene	240	25	ug/kg wet	250.0		96.0	81.5-110	6.90	20	
tert-Butylbenzene	252	25	ug/kg wet	250.0		101	82.4-113	13.3	20	
Tetrachloroethene	237	25	ug/kg wet	250.0		94.6	73.7-114	9.29	20	
Tetrahydrofuran	2710	500	ug/kg wet	2500		109	69.8-127	25.2	20	X
Toluene	233	25	ug/kg wet	250.0		93.0	77.5-112	10.4	20	
trans-1,2-Dichloroethene	193	25	ug/kg wet	250.0		77.0	73.5-116	6.71	20	
trans-1,3-Dichloropropene	244	25	ug/kg wet	250.0		97.6	80.9-110	9.67	20	
Trichloroethene	235	25	ug/kg wet	250.0		94.0	79.5-110	14.1	20	
Vinyl chloride	196	25	ug/kg wet	250.0		78.2	49.9-123	13.4	20	
<i>Surrogate: Toluene-d8</i>	233		<i>ug/kg wet</i>	<i>250.0</i>		<i>93.0</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	245		<i>ug/kg wet</i>	<i>250.0</i>		<i>97.8</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	236		<i>ug/kg wet</i>	<i>250.0</i>		<i>94.4</i>	<i>80-120</i>			

**Batch A007109 - EPA 5030B**

**Blank (A007109-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:51

1,1,1,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,1-Trichloroethane	ND	25	ug/kg wet							
1,1,2,2-Tetrachloroethane	ND	25	ug/kg wet							
1,1,2-Trichloroethane	ND	25	ug/kg wet							
1,1,2-Trichlorotrifluoroethane	ND	25	ug/kg wet							
1,1-Dichloroethane	ND	25	ug/kg wet							
1,1-Dichloroethene	ND	25	ug/kg wet							
1,1-Dichloropropene	ND	25	ug/kg wet							
1,2,3-Trichlorobenzene	ND	100	ug/kg wet							
1,2,3-Trichloropropane	ND	50	ug/kg wet							
1,2,4-Trichlorobenzene	ND	100	ug/kg wet							
1,2,4-Trimethylbenzene	ND	25	ug/kg wet							
1,2-Dibromo-3-chloropropane	ND	25	ug/kg wet							
1,2-Dibromoethane (EDB)	ND	25	ug/kg wet							
1,2-Dichlorobenzene	ND	25	ug/kg wet							
1,2-Dichloroethane	ND	25	ug/kg wet							
1,2-Dichloropropane	ND	25	ug/kg wet							
1,3,5-Trimethylbenzene	ND	25	ug/kg wet							
1,3-Dichlorobenzene	ND	25	ug/kg wet							
1,3-Dichloropropane	ND	25	ug/kg wet							
1,4-Dichlorobenzene	ND	25	ug/kg wet							
2,2-Dichloropropane	ND	25	ug/kg wet							
2-Butanone	ND	1000	ug/kg wet							

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**Blank (A007109-BLK1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 16:51

2-Chlorotoluene	ND	25	ug/kg wet							
2-Hexanone	ND	1000	ug/kg wet							
4-Chlorotoluene	ND	25	ug/kg wet							
4-Methyl-2-pentanone	ND	1000	ug/kg wet							
Acetone	ND	1000	ug/kg wet							
Benzene	ND	25	ug/kg wet							
Bromobenzene	ND	25	ug/kg wet							
Bromochloromethane	ND	25	ug/kg wet							
Bromodichloromethane	ND	25	ug/kg wet							
Bromoform	ND	25	ug/kg wet							
Carbon disulfide	ND	25	ug/kg wet							
Carbon tetrachloride	ND	25	ug/kg wet							
Chlorobenzene	ND	25	ug/kg wet							
Chloroform	ND	25	ug/kg wet							
Chloromethane	ND	50	ug/kg wet							
cis-1,2-Dichloroethene	ND	25	ug/kg wet							
cis-1,3-Dichloropropene	ND	25	ug/kg wet							
Dibromochloromethane	ND	25	ug/kg wet							
Dibromomethane	ND	25	ug/kg wet							
Dichlorodifluoromethane	ND	25	ug/kg wet							
Diisopropyl Ether	ND	25	ug/kg wet							
Ethylbenzene	ND	25	ug/kg wet							
Hexachlorobutadiene	ND	100	ug/kg wet							
Isopropylbenzene	ND	25	ug/kg wet							
m,p-Xylene	ND	50	ug/kg wet							
Methyl t-Butyl Ether	ND	25	ug/kg wet							
Methylene chloride	ND	100	ug/kg wet							
Naphthalene	7.0	250	ug/kg wet							J
n-Butyl Benzene	ND	25	ug/kg wet							
n-Propyl Benzene	ND	25	ug/kg wet							
o-Xylene	ND	25	ug/kg wet							
p-Isopropyltoluene	ND	25	ug/kg wet							
sec-Butyl Benzene	ND	25	ug/kg wet							
Styrene	ND	25	ug/kg wet							
tert-Butylbenzene	ND	25	ug/kg wet							
Tetrachloroethene	ND	25	ug/kg wet							
Tetrahydrofuran	ND	500	ug/kg wet							
Toluene	ND	25	ug/kg wet							
trans-1,2-Dichloroethene	ND	25	ug/kg wet							
trans-1,3-Dichloropropene	ND	25	ug/kg wet							
Trichloroethene	ND	25	ug/kg wet							
Vinyl chloride	ND	25	ug/kg wet							
Surrogate: Toluene-d8	440		ug/kg wet	500.0		87.9	61.9-110			
Surrogate: 4-Bromofluorobenzene	494		ug/kg wet	500.0		98.8	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	407		ug/kg wet	500.0		81.4	80-120			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**LCS (A007109-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:59

1,1,1,2-Tetrachloroethane	208	25	ug/kg wet	250.0		83.2	85.9-112			
1,1,1-Trichloroethane	210	25	ug/kg wet	250.0		84.0	73.1-128			
1,1,2,2-Tetrachloroethane	227	25	ug/kg wet	250.0		90.6	76-118			
1,1,2-Trichloroethane	215	25	ug/kg wet	250.0		86.0	82.5-115			
1,1,2-Trichlorotrifluoroethane	223	25	ug/kg wet	250.0		89.2	63.5-140			
1,1-Dichloroethane	243	25	ug/kg wet	250.0		97.2	73-123			
1,1-Dichloroethene	203	25	ug/kg wet	250.0		81.0	56.6-131			
1,1-Dichloropropene	215	25	ug/kg wet	250.0		85.8	82.8-113			
1,2,3-Trichlorobenzene	240	100	ug/kg wet	250.0		96.0	79.2-108			
1,2,3-Trichloropropane	186	50	ug/kg wet	250.0		74.2	76.9-118			
1,2,4-Trichlorobenzene	242	100	ug/kg wet	250.0		96.8	75.5-109			
1,2,4-Trimethylbenzene	239	25	ug/kg wet	250.0		95.4	84.8-111			
1,2-Dibromo-3-chloropropane	182	25	ug/kg wet	250.0		72.6	64.6-118			
1,2-Dibromoethane (EDB)	214	25	ug/kg wet	250.0		85.4	83.4-112			
1,2-Dichlorobenzene	236	25	ug/kg wet	250.0		94.2	80-120			
1,2-Dichloroethane	223	25	ug/kg wet	250.0		89.0	67.3-134			
1,2-Dichloropropane	239	25	ug/kg wet	250.0		95.4	82.8-111			
1,3,5-Trimethylbenzene	236	25	ug/kg wet	250.0		94.2	85.5-111			
1,3-Dichlorobenzene	227	25	ug/kg wet	250.0		90.8	80-120			
1,3-Dichloropropane	217	25	ug/kg wet	250.0		86.8	83.5-113			
1,4-Dichlorobenzene	232	25	ug/kg wet	250.0		92.8	80-120			
2,2-Dichloropropane	230	25	ug/kg wet	250.0		92.0	69.7-125			
2-Butanone	3030	1000	ug/kg wet	2500		121	67.8-128			
2-Chlorotoluene	236	25	ug/kg wet	250.0		94.2	80-120			
2-Hexanone	2920	1000	ug/kg wet	2500		117	73.5-124			
4-Chlorotoluene	240	25	ug/kg wet	250.0		95.8	83.4-111			
4-Methyl-2-pentanone	2180	1000	ug/kg wet	2500		87.4	77.8-123			
Acetone	4970	1000	ug/kg wet	2500		199	40.1-182			
Benzene	207	25	ug/kg wet	250.0		82.6	77.1-115			
Bromobenzene	223	25	ug/kg wet	250.0		89.0	80-120			
Bromochloromethane	228	25	ug/kg wet	250.0		91.2	76.8-121			
Bromodichloromethane	208	25	ug/kg wet	250.0		83.0	78.9-117			
Bromoform	182	25	ug/kg wet	250.0		72.6	70.9-116			
Carbon disulfide	197	25	ug/kg wet	250.0		78.8	50.7-131			
Carbon tetrachloride	203	25	ug/kg wet	250.0		81.2	70.8-119			
Chlorobenzene	228	25	ug/kg wet	250.0		91.2	81.2-111			
Chloroform	223	25	ug/kg wet	250.0		89.0	72.4-127			
Chloromethane	203	50	ug/kg wet	250.0		81.2	52.6-126			
cis-1,2-Dichloroethene	231	25	ug/kg wet	250.0		92.2	76-115			
cis-1,3-Dichloropropene	211	25	ug/kg wet	250.0		84.4	80-120			
Dibromochloromethane	197	25	ug/kg wet	250.0		78.6	78-115			
Dibromomethane	219	25	ug/kg wet	250.0		87.4	81.6-117			
Dichlorodifluoromethane	184	25	ug/kg wet	250.0		73.4	39.6-115			
Diisopropyl Ether	217	25	ug/kg wet	250.0		86.6	77.5-120			
Ethylbenzene	223	25	ug/kg wet	250.0		89.0	82.3-110			
Hexachlorobutadiene	226	100	ug/kg wet	250.0		90.2	80.1-115			
Isopropylbenzene	229	25	ug/kg wet	250.0		91.4	82.9-114			

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**LCS (A007109-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 14:59

m,p-Xylene	438	50	ug/kg wet	500.0		87.6	81.8-111			
Methyl t-Butyl Ether	197	25	ug/kg wet	250.0		78.8	75.4-124			
Methylene chloride	207	100	ug/kg wet	250.0		82.6	62.2-132			
Naphthalene	225	250	ug/kg wet	250.0		90.0	67.8-111			J, B
n-Butyl Benzene	251	25	ug/kg wet	250.0		100	78.8-115			
n-Propyl Benzene	247	25	ug/kg wet	250.0		98.8	82.9-111			
o-Xylene	224	25	ug/kg wet	250.0		89.6	81.5-111			
p-Isopropyltoluene	234	25	ug/kg wet	250.0		93.6	83.3-111			
sec-Butyl Benzene	240	25	ug/kg wet	250.0		96.0	83.4-113			
Styrene	222	25	ug/kg wet	250.0		88.8	81.5-110			
tert-Butylbenzene	228	25	ug/kg wet	250.0		91.0	82.4-113			
Tetrachloroethene	206	25	ug/kg wet	250.0		82.2	73.7-114			
Tetrahydrofuran	2130	500	ug/kg wet	2500		85.1	69.8-127			
Toluene	208	25	ug/kg wet	250.0		83.2	77.5-112			
trans-1,2-Dichloroethene	195	25	ug/kg wet	250.0		77.8	73.5-116			
trans-1,3-Dichloropropene	215	25	ug/kg wet	250.0		85.8	80.9-110			
Trichloroethene	213	25	ug/kg wet	250.0		85.2	79.5-110			
Vinyl chloride	210	25	ug/kg wet	250.0		83.8	49.9-123			
<i>Surrogate: Toluene-d8</i>	<i>208</i>		<i>ug/kg wet</i>	<i>250.0</i>		<i>83.2</i>	<i>61.9-110</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>216</i>		<i>ug/kg wet</i>	<i>250.0</i>		<i>86.4</i>	<i>59.1-115</i>			
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>218</i>		<i>ug/kg wet</i>	<i>250.0</i>		<i>87.0</i>	<i>80-120</i>			

**LCS Dup (A007109-BS1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 15:26

1,1,1,2-Tetrachloroethane	220	25	ug/kg wet	250.0		87.8	85.9-112	5.38	20	
1,1,1-Trichloroethane	219	25	ug/kg wet	250.0		87.6	73.1-128	4.20	20	
1,1,2,2-Tetrachloroethane	242	25	ug/kg wet	250.0		96.6	76-118	6.41	20	
1,1,2-Trichloroethane	226	25	ug/kg wet	250.0		90.4	82.5-115	4.99	20	
1,1,2-Trichlorotrifluoroethane	237	25	ug/kg wet	250.0		94.8	63.5-140	6.09	20	
1,1-Dichloroethane	251	25	ug/kg wet	250.0		100	73-123	3.04	20	
1,1-Dichloroethene	225	25	ug/kg wet	250.0		89.8	56.6-131	10.3	20	
1,1-Dichloropropene	220	25	ug/kg wet	250.0		88.0	82.8-113	2.53	20	
1,2,3-Trichlorobenzene	260	100	ug/kg wet	250.0		104	79.2-108	7.81	20	
1,2,3-Trichloropropane	208	50	ug/kg wet	250.0		83.0	76.9-118	11.2	20	
1,2,4-Trichlorobenzene	256	100	ug/kg wet	250.0		102	75.5-109	5.43	20	
1,2,4-Trimethylbenzene	249	25	ug/kg wet	250.0		99.6	84.8-111	4.31	20	
1,2-Dibromo-3-chloropropane	214	25	ug/kg wet	250.0		85.6	64.6-118	16.4	20	
1,2-Dibromoethane (EDB)	231	25	ug/kg wet	250.0		92.4	83.4-112	7.87	20	
1,2-Dichlorobenzene	242	25	ug/kg wet	250.0		96.8	80-120	2.72	20	
1,2-Dichloroethane	233	25	ug/kg wet	250.0		93.2	67.3-134	4.61	20	
1,2-Dichloropropane	251	25	ug/kg wet	250.0		100	82.8-111	4.91	20	
1,3,5-Trimethylbenzene	252	25	ug/kg wet	250.0		101	85.5-111	6.57	20	
1,3-Dichlorobenzene	240	25	ug/kg wet	250.0		96.0	80-120	5.57	20	
1,3-Dichloropropane	228	25	ug/kg wet	250.0		91.2	83.5-113	4.94	20	
1,4-Dichlorobenzene	248	25	ug/kg wet	250.0		99.0	80-120	6.47	20	
2,2-Dichloropropane	236	25	ug/kg wet	250.0		94.4	69.7-125	2.58	20	
2-Butanone	3420	1000	ug/kg wet	2500		137	67.8-128	11.9	20	
2-Chlorotoluene	252	25	ug/kg wet	250.0		101	80-120	6.57	20	
2-Hexanone	3170	1000	ug/kg wet	2500		127	73.5-124	8.27	20	

ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

**Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007109 - EPA 5030B**

**LCS Dup (A007109-BSD1)**

Prepared: 07/01/2020 Analyzed: 07/01/2020 15:26

4-Chlorotoluene	255	25	ug/kg wet	250.0		102	83.4-111	6.27	20	
4-Methyl-2-pentanone	2390	1000	ug/kg wet	2500		95.6	77.8-123	8.96	20	
Acetone	5420	1000	ug/kg wet	2500		217	40.1-182	8.65	20	
Benzene	223	25	ug/kg wet	250.0		89.2	77.1-115	7.68	20	
Bromobenzene	231	25	ug/kg wet	250.0		92.4	80-120	3.75	20	
Bromochloromethane	233	25	ug/kg wet	250.0		93.2	76.8-121	2.17	20	
Bromodichloromethane	220	25	ug/kg wet	250.0		87.8	78.9-117	5.62	20	
Bromoform	193	25	ug/kg wet	250.0		77.2	70.9-116	6.14	20	
Carbon disulfide	206	25	ug/kg wet	250.0		82.4	50.7-131	4.47	20	
Carbon tetrachloride	216	25	ug/kg wet	250.0		86.4	70.8-119	6.21	20	
Chlorobenzene	241	25	ug/kg wet	250.0		96.4	81.2-111	5.54	20	
Chloroform	236	25	ug/kg wet	250.0		94.2	72.4-127	5.68	20	
Chloromethane	223	50	ug/kg wet	250.0		89.0	52.6-126	9.17	20	
cis-1,2-Dichloroethene	239	25	ug/kg wet	250.0		95.6	76-115	3.62	20	
cis-1,3-Dichloropropene	218	25	ug/kg wet	250.0		87.2	80-120	3.26	20	
Dibromochloromethane	207	25	ug/kg wet	250.0		82.6	78-115	4.96	20	
Dibromomethane	228	25	ug/kg wet	250.0		91.2	81.6-117	4.26	20	
Dichlorodifluoromethane	191	25	ug/kg wet	250.0		76.2	39.6-115	3.74	20	
Diisopropyl Ether	240	25	ug/kg wet	250.0		95.8	77.5-120	10.1	20	
Ethylbenzene	231	25	ug/kg wet	250.0		92.4	82.3-110	3.75	20	
Hexachlorobutadiene	243	100	ug/kg wet	250.0		97.2	80.1-115	7.47	20	
Isopropylbenzene	241	25	ug/kg wet	250.0		96.4	82.9-114	5.32	20	
m,p-Xylene	463	50	ug/kg wet	500.0		92.5	81.8-111	5.44	20	
Methyl t-Butyl Ether	212	25	ug/kg wet	250.0		84.8	75.4-124	7.33	20	
Methylene chloride	216	100	ug/kg wet	250.0		86.2	62.2-132	4.27	20	
Naphthalene	244	250	ug/kg wet	250.0		97.6	67.8-111	8.10	20	J, B
n-Butyl Benzene	260	25	ug/kg wet	250.0		104	78.8-115	3.53	20	
n-Propyl Benzene	262	25	ug/kg wet	250.0		105	82.9-111	5.70	20	
o-Xylene	236	25	ug/kg wet	250.0		94.2	81.5-111	5.01	20	
p-Isopropyltoluene	247	25	ug/kg wet	250.0		98.6	83.3-111	5.20	20	
sec-Butyl Benzene	254	25	ug/kg wet	250.0		101	83.4-113	5.47	20	
Styrene	238	25	ug/kg wet	250.0		95.0	81.5-110	6.75	20	
tert-Butylbenzene	238	25	ug/kg wet	250.0		95.0	82.4-113	4.30	20	
Tetrachloroethene	222	25	ug/kg wet	250.0		88.8	73.7-114	7.72	20	
Tetrahydrofuran	2190	500	ug/kg wet	2500		87.7	69.8-127	2.96	20	
Toluene	219	25	ug/kg wet	250.0		87.6	77.5-112	5.15	20	
trans-1,2-Dichloroethene	213	25	ug/kg wet	250.0		85.2	73.5-116	9.08	20	
trans-1,3-Dichloropropene	222	25	ug/kg wet	250.0		88.8	80.9-110	3.44	20	
Trichloroethene	229	25	ug/kg wet	250.0		91.4	79.5-110	7.02	20	
Vinyl chloride	226	25	ug/kg wet	250.0		90.4	49.9-123	7.58	20	
Surrogate: Toluene-d8	219		ug/kg wet	250.0		87.4	61.9-110			
Surrogate: 4-Bromofluorobenzene	232		ug/kg wet	250.0		92.8	59.1-115			
Surrogate: 1,2-Dichlorobenzene-d4	223		ug/kg wet	250.0		89.0	80-120			

ERM  
 3352 128th Avenue  
 Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
 Project Number: 044161  
 Project Manager: Paul Sterkenburg

**Classical Chemistry Parameters - Quality Control**

**Pace Analytical - Madison**

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch A007111 - % Solids**

Duplicate (A007111-DUP1)	Source: A202712-01	Prepared: 07/01/2020	Analyzed: 07/02/2020 07:15		
% Solids	78.2	0.00 % by Weight	78.0	0.285	20

**Batch A007112 - % Solids**

Duplicate (A007112-DUP1)	Source: A202713-07	Prepared: 07/01/2020	Analyzed: 07/02/2020 07:15		
% Solids	78.8	0.00 % by Weight	78.3	0.604	20



ERM  
3352 128th Avenue  
Holland MI, 49424

Project: 910 Mayer LLC - EDC Invest.  
Project Number: 044161  
Project Manager: Paul Sterkenburg

### Notes and Definitions

- X Precision for the matrix spike duplicate, laboratory control sample duplicate or lab duplicate was outside of control limits.
- S Surrogate recovery was outside of laboratory control limits.
- LC Results may be biased low because of low continuing calibration verification (CCV).
- J Analyte was detected but is below the reporting limit. The concentration is estimated.
- HC Results may be biased high because of high continuing calibration verification (CCV).
- E1 Estimated value because of quality control sample exceedances.
- D Data reported from a dilution
- B Analyte is also detected in the associated method blank.
- ND Analyte NOT DETECTED at or above the reporting limit or limit of detection (if listed).
- NR Not Reported
- dry Sample results reported on a dry weight basis. Detection limits (if listed) and reporting limits have been adjusted for the solids content. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
- RPD Relative Percent Difference

Detection limits (if listed) and reporting limits have been adjusted for dilutions, if reported.



**Pace Analytical - ECCS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 12624

Page: 1 of 2

Project Number: <b>044161</b> PO Number:					Lab Work Order #: <b>A202713</b>					Report To:																																																																																																																																																																									
Project Name: <b>910 Myer LLC- RCB Invest</b>					Preservation Codes					Company:																																																																																																																																																																									
Project Location (City, State): <b>Madison, WI</b>					Analyses Requested: <b>F A</b>					Address 1:																																																																																																																																																																									
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush					Matrix: <b>VOCs</b> Total # of Containers: <b>10g weight</b>					Address 2:																																																																																																																																																																									
If Rush, Report Due Date:										E-mail Address:																																																																																																																																																																									
Sampled By (Print): <b>ERM</b>					<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample Description</th> <th colspan="2">Collection</th> <th rowspan="2">Matrix</th> <th rowspan="2">Total # of Containers</th> <th rowspan="2">VOCs</th> <th rowspan="2">10g weight</th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2"></th> <th rowspan="2">Comments</th> <th rowspan="2">Lab ID</th> <th rowspan="2">Lab Receipt Time</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr><td>TS-GP-16(2-3)-20200701</td><td>7/1/20</td><td>1205</td><td>S</td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>0.0 ppm</td><td>01</td><td></td></tr> <tr><td>TS-GP-16(6-7)-20200701</td><td></td><td>1210</td><td>S</td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>0.0 ppm</td><td>02</td><td></td></tr> <tr><td>TS-GP-16(8-9)-20200701</td><td></td><td>1215</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>0.2 ppm</td><td>03</td><td></td></tr> <tr><td>TS-GP-16(11-12)-20200701</td><td></td><td>1220</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>0.0 ppm</td><td>04</td><td></td></tr> <tr><td>TS-GP-17(1-2)-20200701</td><td></td><td>1230</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>1.2 ppm</td><td>05</td><td></td></tr> <tr><td>TS-GP-17(6-7)-20200701</td><td></td><td>1235</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>0.4 ppm</td><td>06</td><td></td></tr> <tr><td>TS-GP-17(11-12)-20200701</td><td></td><td>1240</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>14.4 ppm</td><td>07</td><td></td></tr> <tr><td>TS-GP-17(13-14)-20200701</td><td></td><td>1245</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td>10.7 ppm</td><td>08</td><td></td></tr> <tr><td>TS-GP-18(1-2)-20200701</td><td></td><td>1250</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>09</td><td></td></tr> <tr><td>TS-GP-18(3-4)-20200701</td><td></td><td>1255</td><td></td><td>3</td><td>2</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>10</td><td></td></tr> </tbody> </table>					Sample Description	Collection		Matrix	Total # of Containers	VOCs	10g weight						Comments	Lab ID	Lab Receipt Time	Date	Time	TS-GP-16(2-3)-20200701	7/1/20	1205	S	3	2	1						0.0 ppm	01		TS-GP-16(6-7)-20200701		1210	S	3	2	1						0.0 ppm	02		TS-GP-16(8-9)-20200701		1215		3	2	1						0.2 ppm	03		TS-GP-16(11-12)-20200701		1220		3	2	1						0.0 ppm	04		TS-GP-17(1-2)-20200701		1230		3	2	1						1.2 ppm	05		TS-GP-17(6-7)-20200701		1235		3	2	1						0.4 ppm	06		TS-GP-17(11-12)-20200701		1240		3	2	1						14.4 ppm	07		TS-GP-17(13-14)-20200701		1245		3	2	1						10.7 ppm	08		TS-GP-18(1-2)-20200701		1250		3	2	1							09		TS-GP-18(3-4)-20200701		1255		3	2	1							10		Invoice To:		
Sample Description	Collection		Matrix	Total # of Containers							VOCs	10g weight																		Comments	Lab ID	Lab Receipt Time																																																																																																																																																			
	Date	Time																																																																																																																																																																																	
TS-GP-16(2-3)-20200701	7/1/20	1205	S	3	2	1						0.0 ppm	01																																																																																																																																																																						
TS-GP-16(6-7)-20200701		1210	S	3	2	1						0.0 ppm	02																																																																																																																																																																						
TS-GP-16(8-9)-20200701		1215		3	2	1						0.2 ppm	03																																																																																																																																																																						
TS-GP-16(11-12)-20200701		1220		3	2	1						0.0 ppm	04																																																																																																																																																																						
TS-GP-17(1-2)-20200701		1230		3	2	1						1.2 ppm	05																																																																																																																																																																						
TS-GP-17(6-7)-20200701		1235		3	2	1						0.4 ppm	06																																																																																																																																																																						
TS-GP-17(11-12)-20200701		1240		3	2	1						14.4 ppm	07																																																																																																																																																																						
TS-GP-17(13-14)-20200701		1245		3	2	1						10.7 ppm	08																																																																																																																																																																						
TS-GP-18(1-2)-20200701		1250		3	2	1							09																																																																																																																																																																						
TS-GP-18(3-4)-20200701		1255		3	2	1							10																																																																																																																																																																						
<p><b>Preservation Codes</b>          A=None B=HCL C=H<sub>2</sub>SO<sub>4</sub>          D=HNO<sub>3</sub> E=EnCore F=Methanol          G=NaOH O=Other (Indicate)</p> <p><b>Matrix Codes</b>          A=Air S=Soil W=Water O=Other</p>					Company:					Address 1:																																																																																																																																																																									
					Address 2:																																																																																																																																																																														
Relinquished By: <b>ERM</b>					Date: <b>7/1/20</b> Time: <b>1330</b>					Received By: <b>[Signature]</b>			Date: <b>07/01/20</b> Time: <b>14:05</b>																																																																																																																																																																						
Relinquished By:					Date:					Received By:			Date:																																																																																																																																																																						
Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact					Shipped Via: <b>Walk In</b>					Receipt Temp: <b>On Ice</b>			Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																																																																																																																																																																				

Page 42 of 43 A202713 FINAL 07 09 2020 1454



**Pace Analytical - ECSS Division**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

# CHAIN OF CUSTODY

No. 13689

Page: 2 of 2

Project Number: <b>044161</b> PO Number:				Lab Work Order #: <b>A202713</b>				Report To:																						
Project Name: <b>910 Myer LLC</b>				Preservation Codes				Company:																						
Project Location (City, State): <b>Madison WI</b>				Analyses Requested: <b>F A</b>				Address 1:																						
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Rush				<table border="1" style="width:100%; text-align: center;"> <tr> <td style="width:20px;">Matrix</td> <td style="width:20px;">Total # of Containers</td> <td style="width:20px;">VOCs</td> <td style="width:20px;">Dry weight</td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> <td style="width:20px;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers	VOCs	Dry weight																	Address 2:		
Matrix	Total # of Containers	VOCs	Dry weight																											
If Rush, Report Due Date:								E-mail Address:																						
Sampled By (Print): <b>ERM</b>								Invoice To:																						
								Company:																						
								Address 1:																						
								Address 2:																						
Sample Description		Collection		Matrix	Total # of Containers	VOCs	Dry weight				Comments	Lab ID	Lab Receipt Time																	
		Date	Time																											
TS-GP-19(1-2)-20200701		7/1/20	1300	S	3	2	1					11																		
TS-GP-19(3-4)-20200701		↓	1305	↓	3	2	1					12																		
TS-GP-20(1-2)-20200701		↓	1310	↓	3	2	1					13																		
TS-GP-20(3-4)-20200701		↓	1315	↓	3	2	1				Dry weight cup that was in w/ vials that were labeled (3-4) was labeled (1-2) with correct time (MAP) 7/1/20	14																		
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)  <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Other Comments:</b>		Relinquished By:				Date:	Time:	Received By:		Date:	Time:																	
				Relinquished By:				Date:	Time:	Received By:		Date:	Time:																	
				Custody Seal: <input checked="" type="checkbox"/> NA <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Shipped Via: <b>Walk In</b>		Receipt Temp: <b>On Ice</b>		Thermometer #/ Exp. Date:		Temp Blank: <input type="checkbox"/> Y <input type="checkbox"/> N																

Page 43 of 43 A202713 FINAL 07 09 2020 1454

## SITE LOGIC Report

---

### *QuantArray<sup>®</sup>-Chlor Study*

**Contact:** Paul Sterkenburg

**Phone:** 616-283-7155

**Address:** ERM, Inc.  
3352 128th Avenue  
Holland, MI 49424

**Email:** paul.sterkenburg@erm.com

**MI Identifier:** 002RG

**Report Date:** 07/14/2020

**Project:** 910 Mayer LLC - EDC Investigation, 44161  
**Comments:**

---

**NOTICE:** This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

## The QuantArray<sup>®</sup>-Chlor Approach

Quantification of *Dehalococcoides*, the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethene, has become an indispensable component of assessment, remedy selection, and performance monitoring at sites impacted by chlorinated solvents. While undeniably a key group of halo-respiring bacteria, *Dehalococcoides* are not the only bacteria of interest in the subsurface because reductive dechlorination is not the only potential biodegradation pathway operative at contaminated sites, and chlorinated ethenes are not always the primary contaminants of concern. The QuantArray<sup>®</sup>-Chlor not only includes a variety of halo-respiring bacteria (*Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, etc.) to assess the potential for reductive dechlorination of chloroethenes, chloroethanes, chlorobenzenes, chlorophenols, and chloroform, but also provides quantification of functional genes involved in aerobic (co)metabolic pathways for biodegradation of chlorinated solvents and even competing biological processes. Thus, the QuantArray<sup>®</sup>-Chlor will give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co) metabolic pathways to give a much more clear and comprehensive view of contaminant biodegradation.

The QuantArray<sup>®</sup>-Chlor is used to quantify specific microorganisms and functional genes to evaluate the following:

### Anaerobic Reductive Dechlorination

Quantification of important halo-respiring bacteria (e.g. *Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, *Desulfitobacterium* spp.) and key functional genes (e.g. vinyl chloride reductases, TCE reductase, chloroform reductase) responsible for reductive dechlorination of a broad spectrum of chlorinated solvents.

### Aerobic Cometabolism

Several different types of bacteria including methanotrophs and some toluene/phenol utilizing bacteria can co-oxidize TCE, DCE, and vinyl chloride. The QuantArray<sup>®</sup>-Chlor quantifies functional genes like soluble methane monooxygenase encoding enzymes capable of co-oxidation of chlorinated ethenes.

### Aerobic (Co)metabolism of Vinyl Chloride

Ethene oxidizing bacteria are capable of cometabolism of vinyl chloride. In some cases, ethenotrophs can also utilize vinyl chloride as a growth supporting substrate. The QuantArray<sup>®</sup>-Chlor targets key functional genes in ethene metabolism.

### How do QuantArrays<sup>®</sup> work?

The QuantArray<sup>®</sup>-Chlor in many respects is a hybrid technology combining the highly parallel detection of microarrays with the accurate and precise quantification provided by qPCR into a single platform. The key to highly parallel qPCR reactions is the nanoliter fluidics platform for low volume, solution phase qPCR reactions.

### How are QuantArray® results reported?

One of the primary advantages of the QuantArray®-Chlor is the simultaneous quantification of a broad spectrum of different microorganisms and key functional genes involved in a variety of pathways for chlorinated hydrocarbon biodegradation. However, highly parallel quantification combined with the various metabolic and cometabolic capabilities of different target organisms can complicate data presentation. Therefore, in addition to Summary Tables, QuantArray® results will be presented as Microbial Population Summary and Comparison Figures to aid in data interpretation and subsequent evaluation of site management activities.

#### Types of Tables and Figures:

##### Microbial Population Summary

Figure presenting the concentrations of QuantArray®-Chlor target populations (e.g. *Dehalococcoides*) and functional genes (e.g. vinyl chloride reductase) relative to typically observed values.

##### Summary Tables

Tables of target population concentrations grouped by biodegradation pathway and contaminant type.

##### Comparison Figures

Depending on the project, sample results can be presented to compare changes over time or examine differences in microbial populations along a transect of the dissolved plume.

## Results

**Table 1:** Summary of the QuantArray®-Chlor results obtained for samples TS-MW17A-20200630 and TS-MW17B-20200630.

Sample Name Sample Date	TS-MW17A-20200630 06/30/2020	TS-MW17B-20200630 06/30/2020
<i>Reductive Dechlorination</i>		
<i>Dehalococcoides</i> (DHC)	2.75E+03	1.83E+02
tceA Reductase (TCE)	2.00E-01 (J)	1.00E-01 (J)
BAV1 Vinyl Chloride Reductase (BVC)	<4.00E-01	<5.00E-01
Vinyl Chloride Reductase (VCR)	1.42E+02	3.00E-01 (J)
<i>Dehalobacter</i> spp. (DHBt)	2.78E+04	2.23E+04
<i>Dehalobacter</i> DCM (DCM)	<4.60E+00	3.04E+03
<i>Dehalogenimonas</i> spp. (DHG)	1.72E+05	3.19E+05
cerA Reductase (CER)	<4.60E+00	<4.60E+00
trans-1,2-DCE Reductase (TDR)	<4.60E+00	<4.60E+00
<i>Desulfitobacterium</i> spp. (DSB)	4.63E+04	4.39E+04
<i>Dehalobium chlorocoercia</i> (DECO)	8.22E+03	3.92E+03
<i>Desulfuromonas</i> spp. (DSM)	4.34E+02	7.28E+02
PCE Reductase (PCE-1)	<4.60E+00	<4.60E+00
PCE Reductase (PCE-2)	<4.60E+00	<4.60E+00
Chloroform Reductase (CFR)	<4.60E+00	<4.60E+00
1,1 DCA Reductase (DCA)	<4.60E+00	<4.60E+00
1,2 DCA Reductase (DCAR)	2.58E+03	5.71E+01
<i>Aerobic (Co)Metabolic</i>		
Soluble Methane Monooxygenase (SMMO)	5.70E+00	1.19E+02
Toluene Dioxygenase (TOD)	<4.60E+00	<4.60E+00
Phenol Hydroxylase (PHE)	1.78E+03	3.86E+02
Trichlorobenzene Dioxygenase (TCBO)	<4.60E+00	<4.60E+00
Toluene Monooxygenase 2 (RDEG)	1.29E+03	9.75E+02
Toluene Monooxygenase (RMO)	6.78E+03	6.56E+02
Ethene Monooxygenase (EtnC)	3.70E+03	2.27E+02
Epoxyalkane Transferase (EtnE)	4.67E+03	6.22E+02
Dichloromethane Dehalogenase (DCMA)	<4.60E+00	<4.60E+00
<i>Other</i>		
Total Eubacteria (EBAC)	1.03E+07	5.38E+06
Sulfate Reducing Bacteria (APS)	1.71E+05	2.35E+05
Methanogens (MGN)	2.33E+02	1.39E+01

**Legend:**

NA = Not Analyzed  
I = Inhibited

NS = Not Sampled  
< = Result Not Detected

J = Estimated Gene Copies Below PQL but Above LQL

### Microbial Populations TS-MW17A-20200630

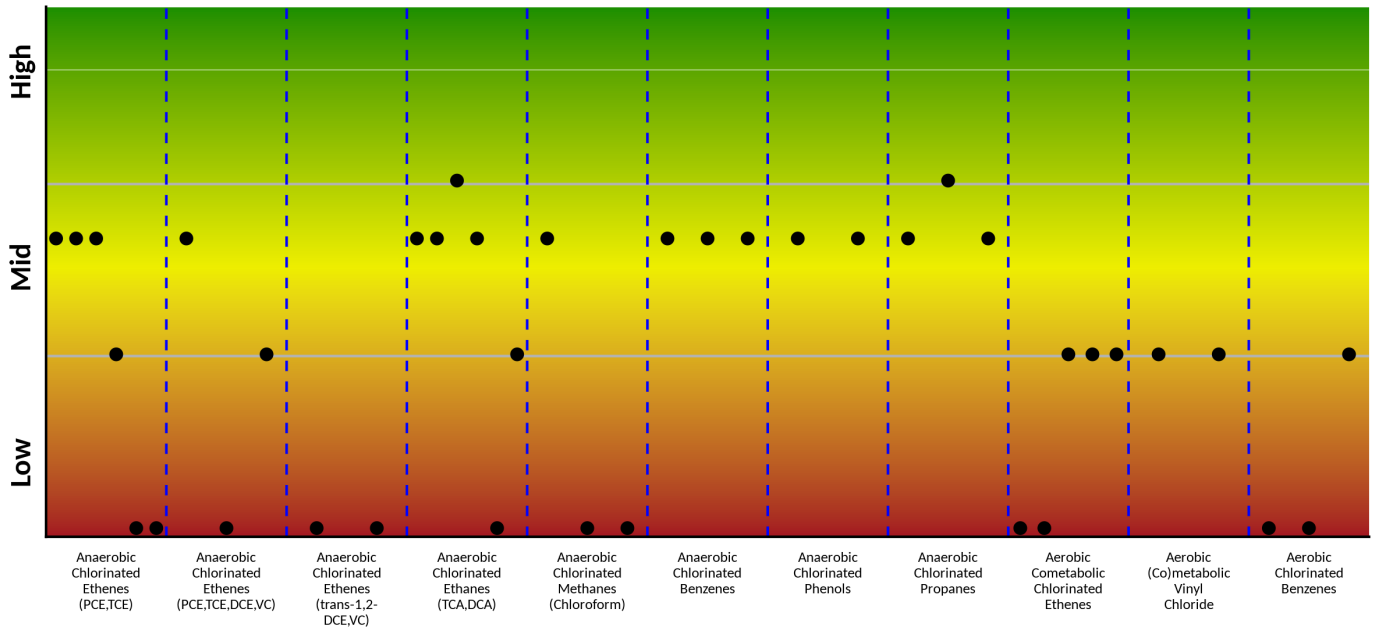


Figure 1: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants.

#### Anaerobic - Reductive Dechlorination or Dichloroelimination

Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2-DCA)	DHC, DHBt, DHG, DSB <sup>1</sup> , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt <sup>2</sup> , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB <sup>1</sup>

#### Aerobic - (Co)metabolism

Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

<sup>1</sup> *Desulfotobacterium dichloroelimans* DCA1. <sup>2</sup> Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.



### Microbial Populations TS-MW17B-20200630

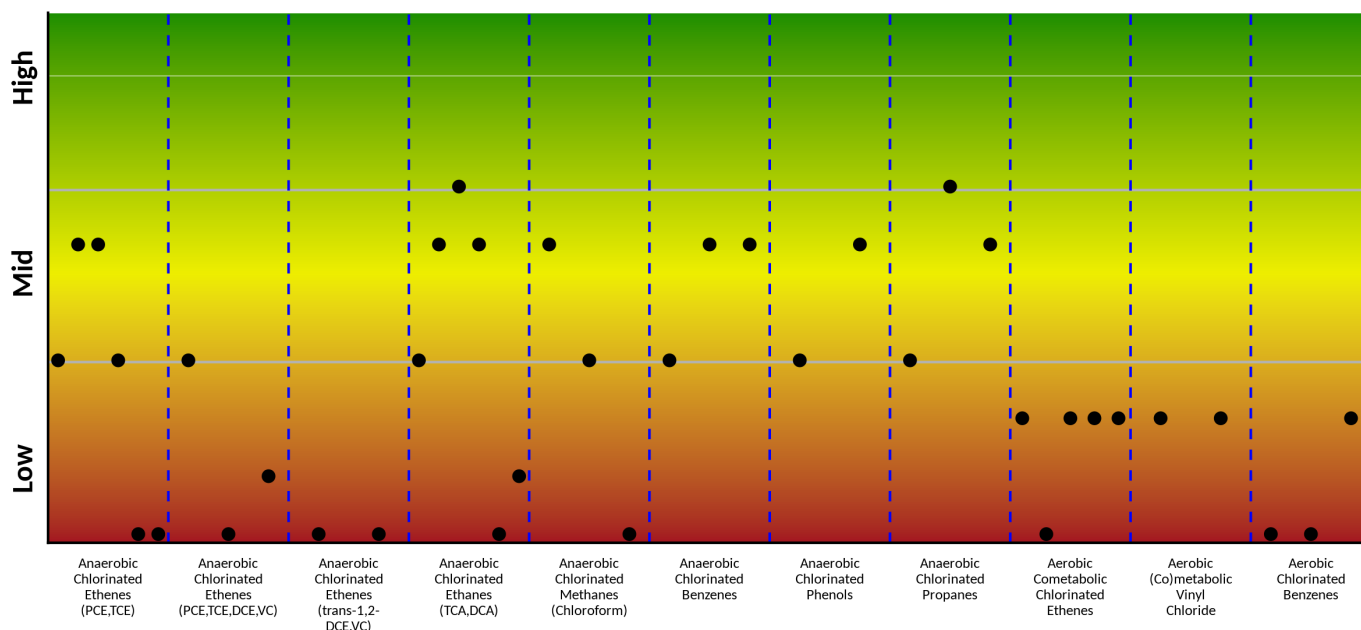


Figure 2: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants.

#### Anaerobic - Reductive Dechlorination or Dichloroelimination

Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2-DCA)	DHC, DHBt, DHG, DSB <sup>1</sup> , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt <sup>2</sup> , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB <sup>1</sup>

#### Aerobic - (Co)metabolism

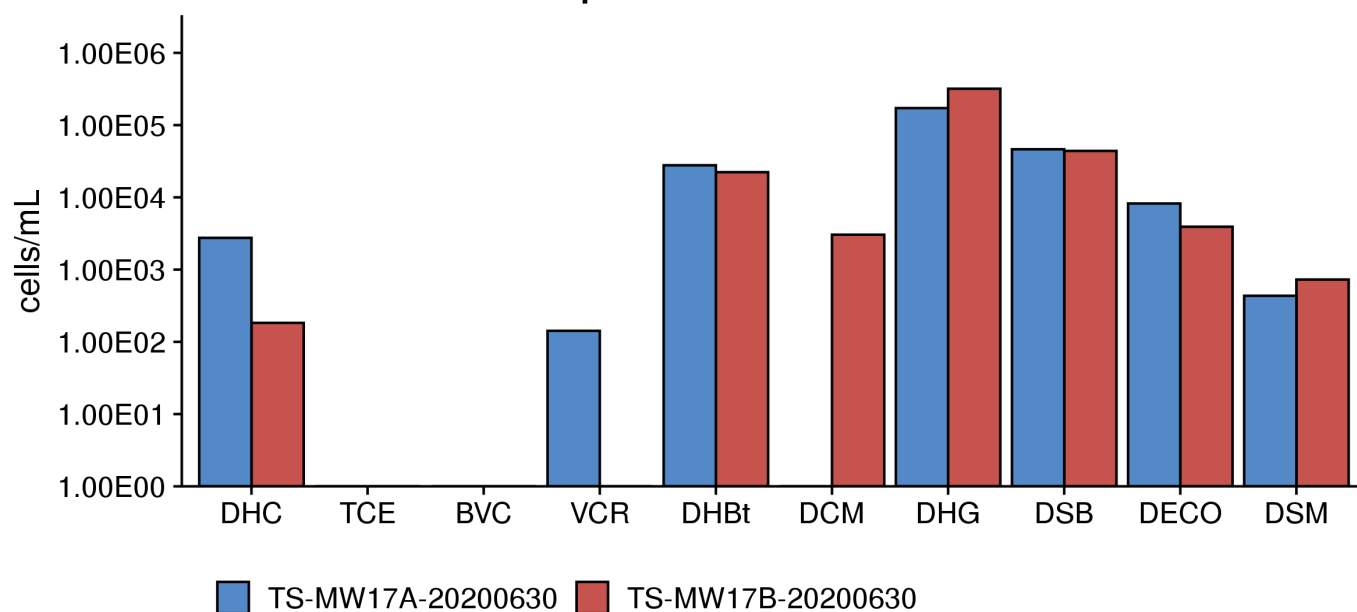
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

<sup>1</sup> *Desulfotobacterium dichloroelimans* DCA1. <sup>2</sup> Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

**Table 2:** Summary of the QuantArray®-Chlor results for microorganisms responsible for reductive dechlorination for samples TS-MW17A-20200630 and TS-MW17B-20200630.

Sample Name	TS-MW17A-20200630	TS-MW17B-20200630
Sample Date	06/30/2020	06/30/2020
<i>Reductive Dechlorination</i>	cells/mL	cells/mL
<i>Dehalococcoides</i> (DHC)	2.75E+03	1.83E+02
tceA Reductase (TCE)	2.00E-01 (J)	1.00E-01 (J)
BAV1 Vinyl Chloride Reductase (BVC)	<5.00E-01	<5.00E-01
Vinyl Chloride Reductase (VCR)	1.42E+02	3.00E-01 (J)
<i>Dehalobacter</i> spp. (DHBt)	2.78E+04	2.23E+04
<i>Dehalobacter</i> DCM (DCM)	<4.60E+00	3.04E+03
<i>Dehalogenimonas</i> spp. (DHG)	1.72E+05	3.19E+05
<i>Desulfitobacterium</i> spp. (DSB)	4.63E+04	4.39E+04
<i>Dehalobium chlorocoercia</i> (DECO)	8.22E+03	3.92E+03
<i>Desulfuromonas</i> spp. (DSM)	4.34E+02	7.28E+02

### Microbial Populations - Reductive Dechlorination

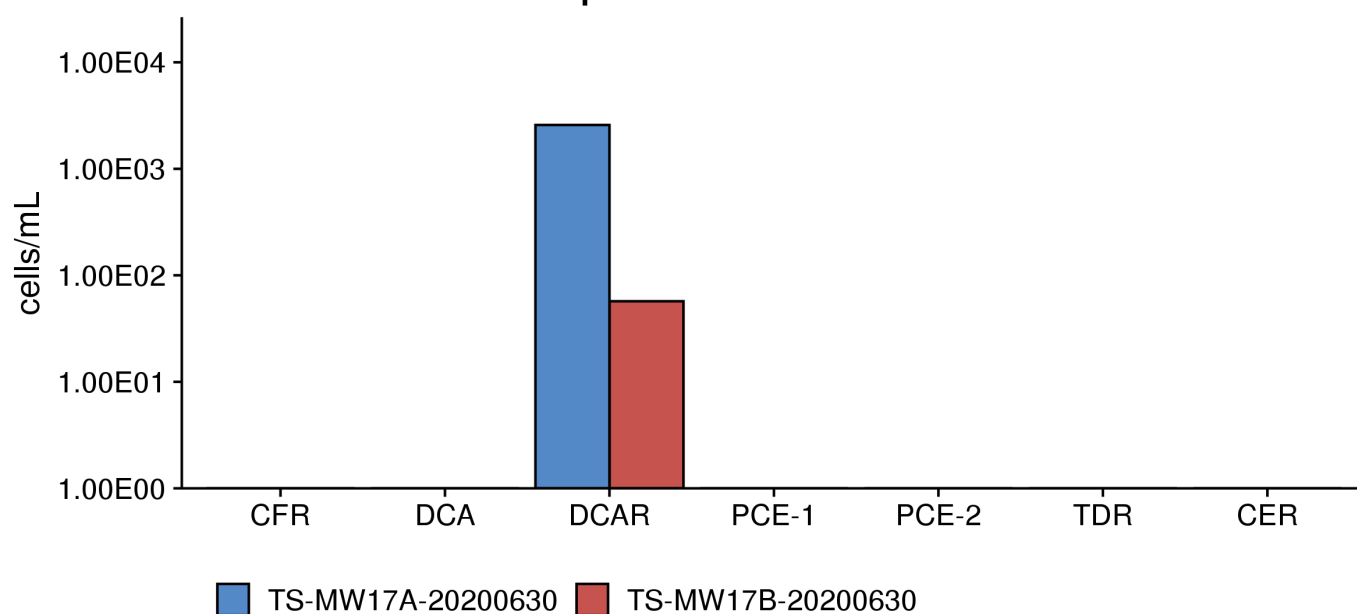


**Figure 3:** Comparison - microbial populations involved in reductive dechlorination.

**Table 3:** Summary of the QuantArray®-Chlor results for microorganisms responsible for reductive dechlorination for samples TS-MW17A-20200630 and TS-MW17B-20200630.

Sample Name	TS-MW17A-20200630	TS-MW17B-20200630
Sample Date	06/30/2020	06/30/2020
<i>Reductive Dechlorination</i>	cells/mL	cells/mL
Chloroform Reductase (CFR)	<4.60E+00	<4.60E+00
1,1 DCA Reductase (DCA)	<4.60E+00	<4.60E+00
1,2 DCA Reductase (DCAR)	<b>2.58E+03</b>	<b>5.71E+01</b>
PCE Reductase (PCE-1)	<4.60E+00	<4.60E+00
PCE Reductase (PCE-2)	<4.60E+00	<4.60E+00
<i>Dehalogenimonas trans</i> -1,2-DCE Reductase (TDR)	<4.60E+00	<4.60E+00
<i>Dehalogenimonas cerA</i> Reductase (CER)	<4.60E+00	<4.60E+00

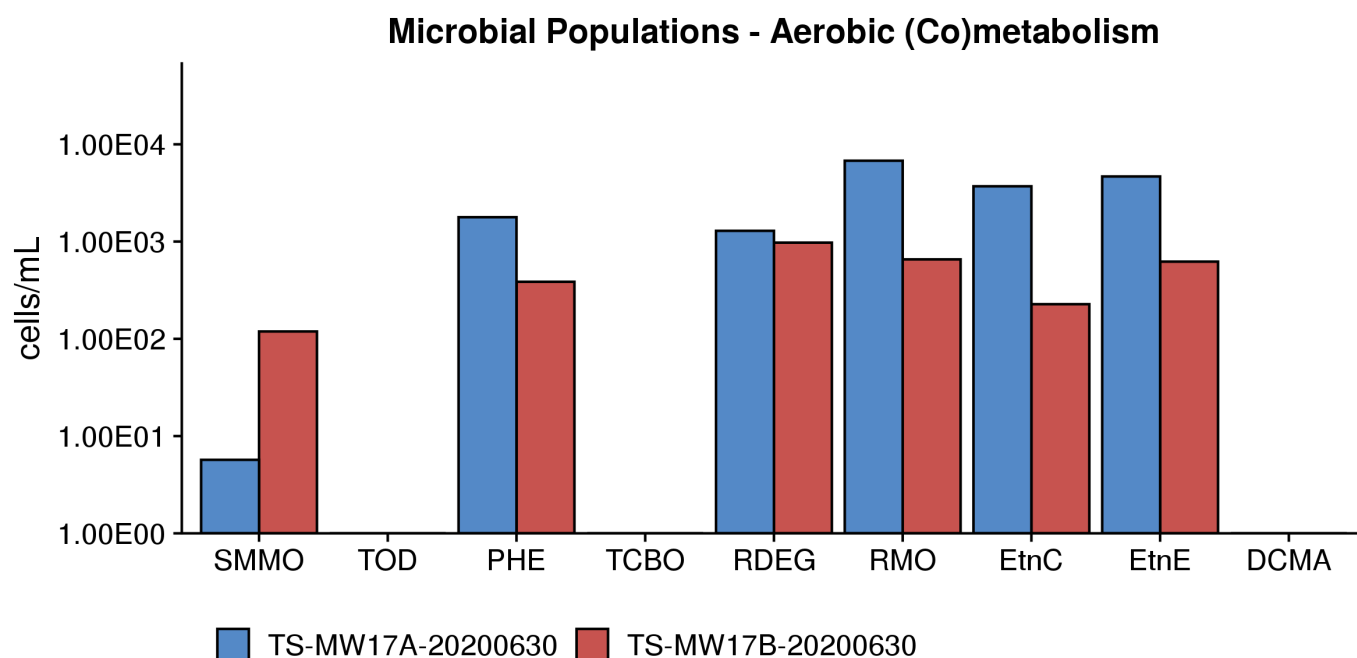
### Microbial Populations - Reductive Dechlorination



**Figure 4:** Comparison - microbial populations involved in reductive dechlorination.

**Table 4:** Summary of the QuantArray®-Chlor results for microorganisms responsible for aerobic (co)metabolism for samples TS-MW17A-20200630 and TS-MW17B-20200630.

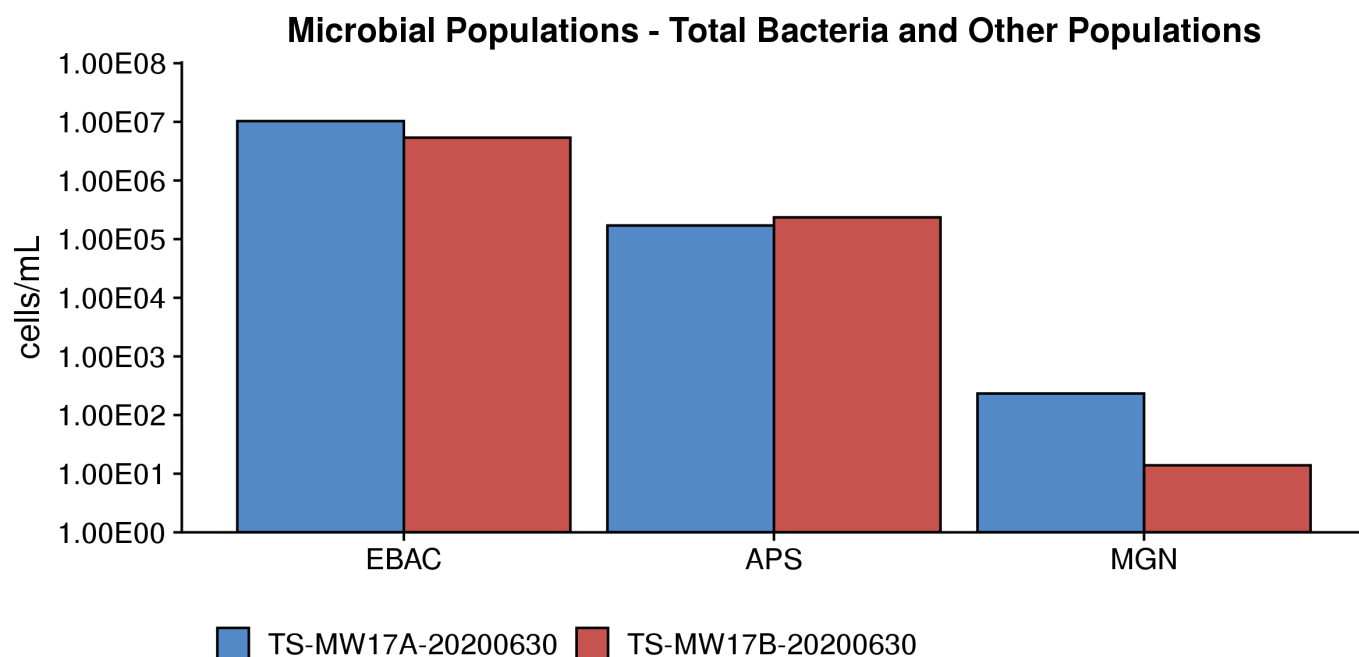
Sample Name	TS-MW17A-20200630	TS-MW17B-20200630
Sample Date	06/30/2020	06/30/2020
<i>Aerobic (Co)Metabolic</i>	cells/mL	cells/mL
Soluble Methane Monooxygenase (SMMO)	5.70E+00	1.19E+02
Toluene Dioxygenase (TOD)	<4.60E+00	<4.60E+00
Phenol Hydroxylase (PHE)	1.78E+03	3.86E+02
Trichlorobenzene Dioxygenase (TCBO)	<4.60E+00	<4.60E+00
Toluene Monooxygenase 2 (RDEG)	1.29E+03	9.75E+02
Toluene Monooxygenase (RMO)	6.78E+03	6.56E+02
Ethene Monooxygenase (EtnC)	3.70E+03	2.27E+02
Epoxyalkane Transferase (EtnE)	4.67E+03	6.22E+02
Dichloromethane Dehalogenase (DCMA)	<4.60E+00	<4.60E+00



**Figure 5:** Comparison - microbial populations involved in aerobic (co)metabolism.

**Table 5:** Summary of the QuantArray® results for total bacteria and other populations for samples TS-MW17A-20200630 and TS-MW17B-20200630.

Sample Name	TS-MW17A-20200630	TS-MW17B-20200630
Sample Date	06/30/2020	06/30/2020
<i>Other</i>	cells/mL	cells/mL
Total Eubacteria (EBAC)	1.03E+07	5.38E+06
Sulfate Reducing Bacteria (APS)	1.71E+05	2.35E+05
Methanogens (MGN)	2.33E+02	1.39E+01



**Figure 6:** Comparison - microbial populations.

## Interpretation

The overall purpose of the QuantArray®-Chlor is to give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co)metabolic pathways in order to provide a clearer and more comprehensive view of contaminant biodegradation. The following discussion describes the interpretation of results in general terms and is meant to serve as a guide.

**Reductive Dechlorination - Chlorinated Ethenes:** While a number of bacterial cultures including *Dehalococcoides*, *Dehalobacter*, *Desulfotobacterium*, and *Desulfuromonas* spp. capable of utilizing PCE and TCE as growth-supporting electron acceptors have been isolated [1–5], *Dehalococcoides* may be the most important because they are the only bacterial group that has been isolated to date which is capable of complete reductive dechlorination of PCE to ethene [6]. In fact, the presence of *Dehalococcoides* has been associated with complete reductive dechlorination to ethene at sites across North America and Europe [7], and Lu et al. [8] have proposed using a *Dehalococcoides* concentration of  $1 \times 10^4$  cells/mL as a screening criterion to identify sites where biological reductive dechlorination is predicted to proceed at “generally useful” rates.

At chlorinated ethene sites, any “stall” leading to the accumulation of daughter products, especially vinyl chloride, would be a substantial concern. While *Dehalococcoides* concentrations greater than  $1 \times 10^4$  cells/mL correspond to ethene production and useful rates of dechlorination, the range of chlorinated ethenes degraded varies by strain within the *Dehalococcoides* genus [6, 9], and the presence of co-contaminants and competitors can have complex impacts on the halo-respiring microbial community [10–15]. Therefore, QuantArray®-Chlor also provides quantification of a suite of reductive dehalogenase genes (PCE, TCE, BVC, VCR, CER, and TDR) to more definitively confirm the potential for reductive dechlorination of all chlorinated ethene compounds including vinyl chloride.

Perhaps most importantly, QuantArray®-Chlor quantifies TCE reductase (TCE) and both known vinyl chloride reductase genes (BVC, VCR) from *Dehalococcoides* to conclusively evaluate the potential for complete reductive dechlorination of chlorinated ethenes to non-toxic ethene [16–18]. In addition, the analysis also includes quantification of reductive dehalogenase genes from *Dehalogenimonas* spp. capable of reductive dechlorination of chlorinated ethenes. More specifically, these are the trans-1,2-DCE dehalogenase gene (TDR) from strain WBC-2 [19] and the vinyl chloride reductase gene (CER) from GP, the only known organisms other than *Dehalococcoides* capable of vinyl chloride reduction [20]. Finally, PCE reductase genes responsible for sequential reductive dechlorination of PCE to cis-DCE by *Sulfurospirillum* and *Geobacter* spp. are also quantified. In mixed cultures, evidence increasingly suggests that partial dechlorinators like *Sulfurospirillum* and *Geobacter* may be responsible for the majority of reductive dechlorination of PCE to TCE and cis-DCE while *Dehalococcoides* functions more as cis-DCE and vinyl chloride reducing specialists [10, 21].

**Reductive Dechlorination - Chlorinated Ethanes:** Under anaerobic conditions, chlorinated ethanes are susceptible to reductive dechlorination by several groups of halo-respiring bacteria including *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides*. While the reported range of chlorinated ethanes utilized varies by genus, species, and sometimes at the strain level, several general observations can be made regarding biodegradation pathways and daughter product formation. *Dehalobacter* spp. have been isolated that are capable of sequential reductive dechlorination of 1,1,1-TCA through 1,1-DCA to chloroethane [13]. Biodegradation of 1,1,2-TCA by several halo-respiring bacteria including *Dehalobacter* and *Dehalogenimonas* spp. proceeds via dichloroelimination producing vinyl chloride [22–24]. Similarly, 1,2-DCA biodegradation by *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides* occurs via dichloroelimination producing ethene. While not utilized by many *Desulfotobacterium* isolates, at least one strain, *Desulfotobacterium dichloroeliminans* strain DCA1, is also capable of dichloroelimination of 1,2-DCA [25]. The 1,2-dichloroethane reductive dehalogenase gene (DCAR) from members of *Desulfotobacterium* and *Dehalobacter* is known to dechlorinate 1,2-DCA to ethene, while the 1,1-dichloroethane reductive dehalogenase (DCA) targets the gene responsible for 1,1-DCA dechlorination in some strains of *Dehalobacter*. In addition to chloroform, chloroform reductase (CFR) has also been shown to be responsible for reductive dechlorination of 1,1,1-TCA [26].

**Reductive Dechlorination - Chlorinated Methanes:** Chloroform is a common co-contaminant at chlorinated solvent sites and can inhibit reductive dechlorination of chlorinated ethenes. Grostern et al. demonstrated that a *Dehalobacter* population was capable of reductive dechlorination of chloroform to produce dichloromethane [27]. The *cfrA* gene encodes the reductase which catalyzes this initial step in chloroform biodegradation [26]. Justicia-Leon et al. have since shown that dichloromethane can support growth of a distinct group of *Dehalobacter* strains via fermentation [28]. The *Dehalobacter* DCM assay targets the 16S rRNA gene of these strains.

**Reductive Dechlorination - Chlorinated Benzenes:** Chlorinated benzenes are an important class of industrial solvents and chemical intermediates in the production of drugs, dyes, herbicides, and insecticides. The physical-chemical properties of chlorinated benzenes as well as susceptibility to biodegradation are functions of their degree of chlorination and the positions of chlorine substituents. Under anaerobic conditions, reductive dechlorination of higher chlorinated benzenes including hexachlorobenzene (HCB),

pentachlorobenzene (PeCB), tetrachlorobenzene (TeCB) isomers, and trichlorobenzene (TCB) isomers has been well documented [29], although biodegradation of individual compounds and isomers varies between isolates. For example, *Dehalococcoides* strain CBDB1 reductively dechlorinates HCB, PeCB, all three TeCB isomers, 1,2,3-TCB, and 1,2,4-TCB [9, 30]. *Dehalobium chlorocoercia* DF-1 has been shown to be capable of reductive dechlorination of HCB, PeCB, and 1,2,3,5-TeCB [31]. The dichlorobenzene (DCB) isomers and chlorobenzene (CB) were considered relatively recalcitrant under anaerobic conditions. However, new evidence has demonstrated reductive dechlorination of DCBs to CB and CB to benzene [32] with corresponding increases in concentrations of *Dehalobacter* spp. [33].

**Reductive Dechlorination - Chlorinated Phenols:** Pentachlorophenol (PCP) was one of the most widely used biocides in the U.S. and despite residential use restrictions, is still extensively used industrially as a wood preservative. Along with PCP, the tetrachlorophenol and trichlorophenol isomers were also used as fungicides in wood preserving formulations. 2,4-Dichlorophenol and 2,4,5-TCP were used as chemical intermediates in herbicide production (e.g. 2,4-D) and chlorophenols are known byproducts of chlorine bleaching in the pulp and paper industry. While the range of compounds utilized varies by strain, some *Dehalococcoides* isolates are capable of reductive dechlorination of PCP and other chlorinated phenols. For example, *Dehalococcoides* strain CBDB1 is capable of utilizing PCP, all three tetrachlorophenol (TeCP) congeners, all six trichlorophenol (TCP) congeners, and 2,3-dichlorophenol (2,3-DCP). PCP dechlorination by strain CBDB1 produces a mixture of 3,5-DCP, 3,4-DCP, 2,4-DCP, 3-CP, and 4-CP [34]. In the same study, however, *Dehalococcoides* strain 195 dechlorinated a more narrow spectrum of chlorophenols which included 2,3-DCP, 2,3,4-TCP, and 2,3,6-TCP, but no other TCPs or PCP. Similar to *Dehalococcoides*, some species and strains of *Desulfitobacterium* are capable of utilizing PCP and other chlorinated phenols. *Desulfitobacterium hafniense* PCP-1 is capable of reductive dechlorination of PCP to 3-CP [35]. However, the ability to biodegrade PCP is not universal among *Desulfitobacterium* isolates. *Desulfitobacterium* sp. strain PCE1 and *D. chlororespirans* strain Co23, for example, can utilize some TCP and DCP isomers, but not PCP for growth [2, 36].

**Reductive Dechlorination - Chlorinated Propanes:** *Dehalogenimonas* is a recently described bacterial genus of the phylum Chloroflexi which also includes the well-known chloroethene-respiring *Dehalococcoides* [23]. The *Dehalogenimonas* isolates characterized to date are also halo-respiring bacteria, but utilize a rather unique range of chlorinated compounds as electron acceptors including chlorinated propanes (1,2,3-TCP and 1,2-DCP) and a variety of other vicinally chlorinated alkanes including 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, and 1,2-dichloroethane [23].

**Aerobic - Chlorinated Ethene Cometabolism:** Under aerobic conditions, several different types of bacteria including methane-oxidizing bacteria (methanotrophs), and many benzene, toluene, ethylbenzene, xylene, and (BTEX)-utilizing bacteria can cometabolize or co-oxidize TCE, DCE, and vinyl chloride [37]. In general, cometabolism of chlorinated ethenes is mediated by monooxygenase enzymes with “relaxed” specificity that oxidize a primary (growth supporting) substrate (e.g. methane) and co-oxidize the chlorinated compound (e.g. TCE). QuantArray<sup>®</sup>-Chlor provides quantification of a suite of genes encoding oxygenase enzymes capable of co-oxidation of chlorinated ethenes including soluble methane monooxygenase (sMMO). Soluble methane monooxygenases co-oxidize a broad range of chlorinated compounds [38–41] including TCE, *cis*-DCE, and vinyl chloride. Furthermore, soluble methane monooxygenases are generally believed to support greater rates of aerobic cometabolism [40]. QuantArray<sup>®</sup>-Chlor also quantifies aromatic oxygenase genes encoding ring hydroxylating toluene monooxygenase genes (RMO, RDEG), toluene dioxygenase (TOD) and phenol hydroxylases (PHE) capable of TCE co-oxidation [42–46]. TCE or a degradation product has been shown to induce expression of toluene monooxygenases in some laboratory studies [43, 47] raising the possibility of TCE cometabolism with an alternative (non-aromatic) growth substrate. Moreover, while a number of additional factors must be considered, recent research under ESTCP Project 201584 has shown positive correlations between concentrations of monooxygenase genes (soluble methane monooxygenase, ring hydroxylating monooxygenases, and phenol hydroxylase) and the rate of TCE degradation [48].

**Aerobic - Chlorinated Ethane Cometabolism:** While less widely studied than cometabolism of chlorinated ethenes, some chlorinated ethanes are also susceptible to co-oxidation. As mentioned previously, soluble methane monooxygenases (sMMO) exhibit very relaxed specificity. In laboratory studies, sMMO has been shown to co-oxidize a number of chlorinated ethanes including 1,1,1-TCA and 1,2-DCA [38, 40].

**Aerobic - Vinyl Chloride Cometabolism:** Beginning in the early 1990s, numerous microcosm studies demonstrated aerobic oxidation of vinyl chloride under MNA conditions without the addition of exogenous primary substrates. Since then, strains of

*Mycobacterium*, *Nocardioides*, *Pseudomonas*, *Ochrobactrum*, and *Ralstonia* species have been isolated which are capable of aerobic growth on both ethene and vinyl chloride (see Mattes et al. [49] for a review). The initial steps in the pathway are the monooxygenase (*etnABCD*) catalyzed conversion of ethene and vinyl chloride to their respective epoxyalkanes (epoxyethane and chlorooxirane), followed by epoxyalkane:CoM transferase (*etnE*) mediated conjugation and breaking of the epoxide [50].

**Aerobic - Chlorinated Benzenes:** In general, chlorobenzenes with four or less chlorine groups are susceptible to aerobic biodegradation and can serve as growth-supporting substrates. Toluene dioxygenase (TOD) has a relatively relaxed substrate specificity and mediates the incorporation of both atoms of oxygen into the aromatic ring of benzene and substituted benzenes (toluene and chlorobenzene). Comparison of TOD levels in background and source zone samples from a CB-impacted site suggested that CBs promoted growth of TOD-containing bacteria [51]. In addition, aerobic biodegradation of some trichlorobenzene and even tetrachlorobenzene isomers is initiated by a group of related trichlorobenzene dioxygenase genes (TCBO). Finally, phenol hydroxylases catalyze the continued oxidation and in some cases, the initial oxidation of a variety of monoaromatic compounds. In an independent study, significant increases in numbers of bacteria containing PHE genes corresponded to increases in biodegradation of DCB isomers [51].

**Aerobic - Chlorinated Methanes:** Many aerobic methylotrophic bacteria, belonging to diverse genera (*Hyphomicrobium*, *Methylobacterium*, *Methylophilus*, *Pseudomonas*, *Paracoccus*, and *Alibacter*) have been isolated which are capable of utilizing dichloromethane (DCM) as a growth substrate. The DCM metabolic pathway in methylotrophic bacteria is initiated by a dichloromethane dehalogenase (DCMA) gene. DCMA is responsible for aerobic biodegradation of dichloromethane by methylotrophs by first producing formaldehyde which is then further oxidized [52]. As discussed in previous sections, soluble methane monooxygenase (sMMO) exhibits relaxed specificity and co-oxidizes a broad spectrum of chlorinated hydrocarbons. In addition to chlorinated ethenes, sMMO has been shown to co-oxidize chloroform in laboratory studies [38, 41].



## References

1. Gerritse, J. *et al.* Influence of different electron donors and acceptors on dehalorespiration of tetrachloroethene by *Desulfitobacterium frappieri* TCE1. *Applied and Environmental Microbiology* **65**, 5212–5221 (1999).
2. Gerritse, J. *et al.* *Desulfitobacterium* sp. strain PCE1, an anaerobic bacterium that can grow by reductive dechlorination of tetrachloroethene or ortho-chlorinated phenols. *Archives of Microbiology* **165**, 132–140 (1996).
3. Holliger, C., Schraa, G., Stams, A. & Zehnder, A. A highly purified enrichment culture couples the reductive dechlorination of tetrachloroethene to growth. *Applied and Environmental Microbiology* **59**, 2991–2997 (1993).
4. Krumholz, L. R., Sharp, R. & Fishbain, S. S. A freshwater anaerobe coupling acetate oxidation to tetrachloroethylene dehalogenation. *Applied and Environmental Microbiology* **62**, 4108–4113 (1996).
5. Löffler, F. E., Sanford, R. A. & Tiedje, J. M. Initial Characterization of a Reductive Dehalogenase from *Desulfitobacterium chlororespirans* Co23. *Applied and Environmental Microbiology* **62**, 3809–3813 (1996).
6. Maymó-Gatell, X., Anguish, T. & Zinder, S. H. Reductive dechlorination of chlorinated ethenes and 1, 2-dichloroethane by "*Dehalococcoides ethenogenes*" 195. *Applied and Environmental Microbiology* **65**, 3108–3113 (1999).
7. Hendrickson, E. R. *et al.* Molecular analysis of *Dehalococcoides* 16S ribosomal DNA from chloroethene-contaminated sites throughout North America and Europe. *Applied and Environmental Microbiology* **68**, 485–495 (2002).
8. Lu, X., Wilson, J. T. & Kampbell, D. H. Relationship between *Dehalococcoides* DNA in ground water and rates of reductive dechlorination at field scale. *Water Research* **40**, 3131–3140 (2006).
9. Adrian, L., Szewzyk, U., Wecke, J. & Görisch, H. Bacterial dehalorespiration with chlorinated benzenes. *Nature* **408**, 580–583 (2000).
10. Amos, B. K., Suchomel, E. J., Pennell, K. D. & Löffler, F. E. Spatial and temporal distributions of *Geobacter lovleyi* and *Dehalococcoides* spp. during bioenhanced PCE-NAPL dissolution. *Environmental Science & Technology* **43**, 1977–1985 (2009).
11. Duhamel, M. & Edwards, E. A. Growth and yields of dechlorinators, acetogens, and methanogens during reductive dechlorination of chlorinated ethenes and dihaloelimination of 1, 2-dichloroethane. *Environmental Science & Technology* **41**, 2303–2310 (2007).
12. Duhamel, M. *et al.* Comparison of anaerobic dechlorinating enrichment cultures maintained on tetrachloroethene, trichloroethene, /textitcis-dichloroethene and vinyl chloride. *Water Research* **36**, 4193–4202 (2002).
13. Grostern, A. & Edwards, E. A. A 1, 1, 1-trichloroethane-degrading anaerobic mixed microbial culture enhances biotransformation of mixtures of chlorinated ethenes and ethanes. *Applied and Environmental Microbiology* **72**, 7849–7856 (2006).
14. Huang, D. & Becker, J. G. Determination of intrinsic monod kinetic parameters for two heterotrophic tetrachloroethene (PCE)-respiring strains and insight into their application. *Biotechnology and Bioengineering* **104**, 301–311 (2009).
15. Mayer-Blackwell, K. *et al.* 1, 2-Dichloroethane exposure alters the population structure, metabolism, and kinetics of a trichloroethene-dechlorinating *dehalococcoides mccartyi* consortium. *Environmental Science & Technology* **50**, 12187–12196 (2016).
16. Krajmalnik-Brown, R. *et al.* Genetic identification of a putative vinyl chloride reductase in *Dehalococcoides* sp. strain BAV1. *Applied and Environmental Microbiology* **70**, 6347–6351 (2004).
17. Müller, J. A. *et al.* Molecular identification of the catabolic vinyl chloride reductase from *Dehalococcoides* sp. strain VS and its environmental distribution. *Applied and Environmental Microbiology* **70**, 4880–4888 (2004).
18. Ritalahti, K. M. *et al.* Quantitative PCR targeting 16S rRNA and reductive dehalogenase genes simultaneously monitors multiple *Dehalococcoides* strains. *Applied and Environmental Microbiology* **72**, 2765–2774 (2006).

19. Molenda, O., Quaile, A. T. & Edwards, E. A. Dehalogenimonas sp. strain WBC-2 genome and identification of its trans-dichloroethene reductive dehalogenase, TdrA. *Applied and Environmental Microbiology* **82**, 40–50 (2016).
20. Yang, Y. *et al.* Grape pomace compost harbors organohalide-respiring Dehalogenimonas species with novel reductive dehalogenase genes. *The ISME Journal* **11**, 2767 (2017).
21. Maillard, J. *et al.* Reductive dechlorination of tetrachloroethene by a stepwise catalysis of different organohalide respiring bacteria and reductive dehalogenases. *Biodegradation* **22**, 949–960 (2011).
22. Grostern, A. & Edwards, E. A. Growth of Dehalobacter and Dehalococcoides spp. during degradation of chlorinated ethanes. *Applied and Environmental Microbiology* **72**, 428–436 (2006).
23. Moe, W. M., Yan, J., Nobre, M. F., da Costa, M. S. & Rainey, F. A. *Dehalogenimonas lykanthroporepellens* gen. nov., sp. nov., a reductively dehalogenating bacterium isolated from chlorinated solvent-contaminated groundwater. *International Journal of Systematic and Evolutionary Microbiology* **59**, 2692–2697 (2009).
24. Yan, J., Rash, B., Rainey, F. & Moe, W. Isolation of novel bacteria within the Chloroflexi capable of reductive dechlorination of 1, 2, 3-trichloropropane. *Environmental Microbiology* **11**, 833–843 (2009).
25. De Wildeman, S., Diekert, G., Van Langenhove, H. & Verstraete, W. Stereoselective microbial dehalorespiration with vicinal dichlorinated alkanes. *Applied and Environmental Microbiology* **69**, 5643–5647 (2003).
26. Tang, S. & Edwards, E. A. Identification of *Dehalobacter* reductive dehalogenases that catalyse dechlorination of chloroform, 1,1,1-trichloroethane and 1,1-dichloroethane. *Phil. Trans. R. Soc. B* **368**, 20120318 (2013).
27. Grostern, A., Duhamel, M., Dworatzek, S. & Edwards, E. A. Chloroform respiration to dichloromethane by a *Dehalobacter* population. *Environmental Microbiology* **12**, 1053–1060 (2010).
28. Justicia-Leon, S. D., Ritalahti, K. M., Mack, E. E. & Löffler, F. E. Dichloromethane fermentation by a *Dehalobacter* sp. in an enrichment culture derived from pristine river sediment. *Applied and Environmental Microbiology* **78**, 1288–1291 (2012).
29. Field, J. A. & Sierra-Alvarez, R. Microbial degradation of chlorinated benzenes. *Biodegradation* **19**, 463–480 (2008).
30. Jayachandran, G., Görisch, H. & Adrian, L. Dehalorespiration with hexachlorobenzene and pentachlorobenzene by *Dehalococcoides* sp. strain CBDB1. *Archives of Microbiology* **180**, 411–416 (2003).
31. Wu, Q. *et al.* Dechlorination of chlorobenzenes by a culture containing bacterium DF-1, a PCB dechlorinating microorganism. *Environmental Science & Technology* **36**, 3290–3294 (2002).
32. Fung, J. M. *et al.* Reductive dehalogenation of dichlorobenzenes and monochlorobenzene to benzene in microcosms. *Environmental Science & Technology* **43**, 2302–2307 (2009).
33. Nelson, J. L., Fung, J. M., Cadillo-Quiroz, H., Cheng, X. & Zinder, S. H. A role for *Dehalobacter* spp. in the reductive dehalogenation of dichlorobenzenes and monochlorobenzene. *Environmental Science & Technology* **45**, 6806–6813 (2011).
34. Adrian, L., Hansen, S. K., Fung, J. M., Görisch, H. & Zinder, S. H. Growth of *Dehalococcoides* strains with chlorophenols as electron acceptors. *Environmental Science & Technology* **41**, 2318–2323 (2007).
35. Bouchard, B. *et al.* Isolation and characterization of *Desulfitobacterium frappieri* sp. nov., an anaerobic bacterium which reductively dechlorinates pentachlorophenol to 3-chlorophenol. *International Journal of Systematic and Evolutionary Microbiology* **46**, 1010–1015 (1996).
36. Sanford, R. A., Cole, J. R., Löffler, F. & Tiedje, J. M. Characterization of *Desulfitobacterium chlororespirans* sp. nov., which grows by coupling the oxidation of lactate to the reductive dechlorination of 3-chloro-4-hydroxybenzoate. *Applied and Environmental Microbiology* **62**, 3800–3808 (1996).
37. Field, J. & Sierra-Alvarez, R. Biodegradability of chlorinated solvents and related chlorinated aliphatic compounds. *Reviews in Environmental Science and Biotechnology* **3**, 185–254 (2004).

38. Chang, H.-L. & Alvarez-Cohen, L. Biodegradation of individual and multiple chlorinated aliphatic hydrocarbons by methane-oxidizing cultures. *Applied and Environmental Microbiology* **62**, 3371–3377 (1996).
39. Colby, J., Stirling, D. I. & Dalton, H. The soluble methane mono-oxygenase of *Methylococcus capsulatus* (Bath). Its ability to oxygenate n-alkanes, n-alkenes, ethers, and alicyclic, aromatic and heterocyclic compounds. *Biochemical Journal* **165**, 395–402 (1977).
40. Oldenhuis, R., Oedzes, J. Y., Van der Waarde, J. & Janssen, D. B. Kinetics of chlorinated hydrocarbon degradation by *Methylosinus trichosporium* OB3b and toxicity of trichloroethylene. *Applied and Environmental Microbiology* **57**, 7–14 (1991).
41. Van Hylckama, V. J., De Koning, W. & Janssen, D. B. Transformation kinetics of chlorinated ethenes by *Methylosinus trichosporium* OB3b and detection of unstable epoxides by on-line gas chromatography. *Applied and Environmental Microbiology* **62**, 3304–3312 (1996).
42. Futamata, H., Harayama, S. & Watanabe, K. Group-specific monitoring of phenol hydroxylase genes for a functional assessment of phenol-stimulated trichloroethylene bioremediation. *Applied and Environmental Microbiology* **67**, 4671–4677 (2001).
43. McClay, K., Streger, S. H. & Steffan, R. J. Induction of toluene oxidation activity in *Pseudomonas mendocina* KR1 and *Pseudomonas* sp. strain ENVPC5 by chlorinated solvents and alkanes. *Applied and Environmental Microbiology* **61**, 3479–3481 (1995).
44. Newman, L. M. & Wackett, L. P. Trichloroethylene oxidation by purified toluene 2-monooxygenase: products, kinetics, and turnover-dependent inactivation. *Journal of Bacteriology* **179**, 90–96 (1997).
45. Byrne, A. M. & Olsen, R. H. Cascade regulation of the toluene-3-monooxygenase operon (*tbuA1UBVA2C*) of *Burkholderia pickettii* PKO1: role of the *tbuA1* promoter (*PtbuA1*) in the expression of its cognate activator, *TbuT*. *Journal of Bacteriology* **178**, 6327–6337 (1996).
46. Wackett, L. P. & Gibson, D. T. Degradation of trichloroethylene by toluene dioxygenase in whole-cell studies with *Pseudomonas putida* F1. *Applied and Environmental Microbiology* **54**, 1703–1708 (1988).
47. Leahy, J. G., Byrne, A. M. & Olsen, R. H. Comparison of factors influencing trichloroethylene degradation by toluene-oxidizing bacteria. *Applied and Environmental Microbiology* **62**, 825–833 (1996).
48. Wiedemeier, T. H., Wilson, J. T., Freedman, D. L. & Lee, B. *Providing Additional Support for MNA by Including Quantitative Lines of Evidence for Abiotic Degradation and Co-metabolic Oxidation of Chlorinated Ethylenes* tech. rep. (TH Wiedemeier and Associates, Inc. Sedalia United States, 2017).
49. Mattes, T. E., Alexander, A. K. & Coleman, N. V. Aerobic biodegradation of the chloroethenes: pathways, enzymes, ecology, and evolution. *FEMS Microbiology Reviews* **34**, 445–475 (2010).
50. Coleman, N. V. & Spain, J. C. Epoxyalkane: coenzyme M transferase in the ethene and vinyl chloride biodegradation pathways of *Mycobacterium* strain JS60. *Journal of Bacteriology* **185**, 5536–5545 (2003).
51. Dominguez, R. F. *et al.* Aerobic bioremediation of chlorobenzene source-zone soil in flow-through columns: performance assessment using quantitative PCR. *Biodegradation* **19**, 545–553 (2008).
52. La Roche, S. D. & Leisinger, T. Sequence analysis and expression of the bacterial dichloromethane dehalogenase structural gene, a member of the glutathione S-transferase supergene family. *Journal of Bacteriology* **172**, 164–171 (1990).

## SITE LOGIC Report

---

### *QuantArray<sup>®</sup>-Chlor Study*

**Contact:** Paul Sterkenburg

**Phone:** 616-283-7155

**Address:** ERM, Inc.  
3352 128th Avenue  
Holland, MI 49424

**Email:** paul.sterkenburg@erm.com

**MI Identifier:** 064RG

**Report Date:** 07/29/2020

**Project:** 910 Mayer, LLC-RCB Invest., 441161  
**Comments:**

---

**NOTICE:** This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

## The QuantArray<sup>®</sup>-Chlor Approach

Quantification of *Dehalococcoides*, the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethene, has become an indispensable component of assessment, remedy selection, and performance monitoring at sites impacted by chlorinated solvents. While undeniably a key group of halo-respiring bacteria, *Dehalococcoides* are not the only bacteria of interest in the subsurface because reductive dechlorination is not the only potential biodegradation pathway operative at contaminated sites, and chlorinated ethenes are not always the primary contaminants of concern. The QuantArray<sup>®</sup>-Chlor not only includes a variety of halo-respiring bacteria (*Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, etc.) to assess the potential for reductive dechlorination of chloroethenes, chloroethanes, chlorobenzenes, chlorophenols, and chloroform, but also provides quantification of functional genes involved in aerobic (co)metabolic pathways for biodegradation of chlorinated solvents and even competing biological processes. Thus, the QuantArray<sup>®</sup>-Chlor will give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co) metabolic pathways to give a much more clear and comprehensive view of contaminant biodegradation.

The QuantArray<sup>®</sup>-Chlor is used to quantify specific microorganisms and functional genes to evaluate the following:

### Anaerobic Reductive Dechlorination

Quantification of important halo-respiring bacteria (e.g. *Dehalococcoides*, *Dehalobacter*, *Dehalogenimonas*, *Desulfitobacterium* spp.) and key functional genes (e.g. vinyl chloride reductases, TCE reductase, chloroform reductase) responsible for reductive dechlorination of a broad spectrum of chlorinated solvents.

### Aerobic Cometabolism

Several different types of bacteria including methanotrophs and some toluene/phenol utilizing bacteria can co-oxidize TCE, DCE, and vinyl chloride. The QuantArray<sup>®</sup>-Chlor quantifies functional genes like soluble methane monooxygenase encoding enzymes capable of co-oxidation of chlorinated ethenes.

### Aerobic (Co)metabolism of Vinyl Chloride

Ethene oxidizing bacteria are capable of cometabolism of vinyl chloride. In some cases, ethenotrophs can also utilize vinyl chloride as a growth supporting substrate. The QuantArray<sup>®</sup>-Chlor targets key functional genes in ethene metabolism.

### How do QuantArrays<sup>®</sup> work?

The QuantArray<sup>®</sup>-Chlor in many respects is a hybrid technology combining the highly parallel detection of microarrays with the accurate and precise quantification provided by qPCR into a single platform. The key to highly parallel qPCR reactions is the nanoliter fluidics platform for low volume, solution phase qPCR reactions.

### How are QuantArray® results reported?

One of the primary advantages of the QuantArray®-Chlor is the simultaneous quantification of a broad spectrum of different microorganisms and key functional genes involved in a variety of pathways for chlorinated hydrocarbon biodegradation. However, highly parallel quantification combined with the various metabolic and cometabolic capabilities of different target organisms can complicate data presentation. Therefore, in addition to Summary Tables, QuantArray® results will be presented as Microbial Population Summary and Comparison Figures to aid in data interpretation and subsequent evaluation of site management activities.

#### Types of Tables and Figures:

##### Microbial Population Summary

Figure presenting the concentrations of QuantArray®-Chlor target populations (e.g. *Dehalococcoides*) and functional genes (e.g. vinyl chloride reductase) relative to typically observed values.

##### Summary Tables

Tables of target population concentrations grouped by biodegradation pathway and contaminant type.

##### Comparison Figures

Depending on the project, sample results can be presented to compare changes over time or examine differences in microbial populations along a transect of the dissolved plume.

## Results

**Table 1:** Summary of the QuantArray®-Chlor results obtained for samples TS-MW-23A2-WG-20200716, TS-MW-22A2-WG-20200716, TS-MW-21A2-WG-20200716, and TS-MW-24B-WG-20200716.

Sample Name	TS-MW-23A2-WG-20200716	TS-MW-22A2-WG-20200716	TS-MW-21A2-WG-20200716	TS-MW-24B-WG-20200716
Sample Date	07/16/2020	07/16/2020	07/16/2020	07/16/2020
<i>Reductive Dechlorination</i>	cells/mL	cells/mL	cells/mL	cells/mL
<i>Dehalococcoides</i> (DHC)	<b>1.26E+02</b>	<b>3.41E+01</b>	<b>1.13E+02</b>	<b>9.90E+00</b>
tceA Reductase (TCE)	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01
BAV1 Vinyl Chloride Reductase (BVC)	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01
Vinyl Chloride Reductase (VCR)	<b>2.98E+01</b>	<5.00E-01	<b>1.40E+00</b>	<5.00E-01
<i>Dehalobacter</i> spp. (DHBt)	<b>1.60E+03</b>	<b>3.42E+03</b>	<b>2.12E+03</b>	<b>6.54E+03</b>
<i>Dehalobacter</i> DCM (DCM)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
<i>Dehalogenimonas</i> spp. (DHG)	<b>1.67E+04</b>	<b>8.27E+03</b>	<b>2.09E+04</b>	<4.70E+00
cerA Reductase (CER)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
trans-1,2-DCE Reductase (TDR)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
<i>Desulfotobacterium</i> spp. (DSB)	<b>1.48E+04</b>	<b>2.96E+04</b>	<b>2.98E+04</b>	<b>8.14E+03</b>
<i>Dehalobium chlorocoercia</i> (DECO)	<b>1.09E+03</b>	<b>1.21E+03</b>	<b>1.88E+03</b>	<b>5.91E+02</b>
<i>Desulfuromonas</i> spp. (DSM)	<4.60E+00	<4.70E+00	<4.80E+00	<b>1.45E+05</b>
PCE Reductase (PCE-1)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
PCE Reductase (PCE-2)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Chloroform Reductase (CFR)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
1,1 DCA Reductase (DCA)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
1,2 DCA Reductase (DCAR)	<b>2.20E+03</b>	<b>2.42E+03</b>	<b>1.54E+03</b>	<4.70E+00
<i>Aerobic (Co)Metabolic</i>				
Soluble Methane Monooxygenase (SMMO)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Toluene Dioxygenase (TOD)	<b>5.20E+00</b>	<b>4.00E-01 (J)</b>	<b>8.00E+00</b>	<b>4.50E+00 (J)</b>
Phenol Hydroxylase (PHE)	<b>9.70E+00</b>	<b>2.14E+01</b>	<b>5.09E+01</b>	<b>4.70E+03</b>
Trichlorobenzene Dioxygenase (TCBO)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Toluene Monooxygenase 2 (RDEG)	<b>7.29E+01</b>	<b>1.11E+02</b>	<b>1.72E+02</b>	<b>1.32E+03</b>
Toluene Monooxygenase (RMO)	<4.60E+00	<4.70E+00	<4.80E+00	<b>1.80E+04</b>
Ethene Monooxygenase (EtnC)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Epoxyalkane Transferase (EtnE)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Dichloromethane Dehalogenase (DCMA)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
<i>Other</i>				
Total Eubacteria (EBAC)	<b>5.54E+05</b>	<b>9.42E+05</b>	<b>6.50E+05</b>	<b>3.50E+06</b>
Sulfate Reducing Bacteria (APS)	<b>7.78E+03</b>	<b>8.52E+03</b>	<b>2.26E+04</b>	<b>2.09E+04</b>
Methanogens (MGN)	<b>2.36E+02</b>	<b>1.20E+00 (J)</b>	<b>1.75E+02</b>	<b>1.68E+02</b>

### Legend:

NA = Not Analyzed  
I = Inhibited

NS = Not Sampled  
< = Result Not Detected

J = Estimated Gene Copies Below PQL but Above LQL

### Microbial Populations TS-MW-23A2-WG-20200716

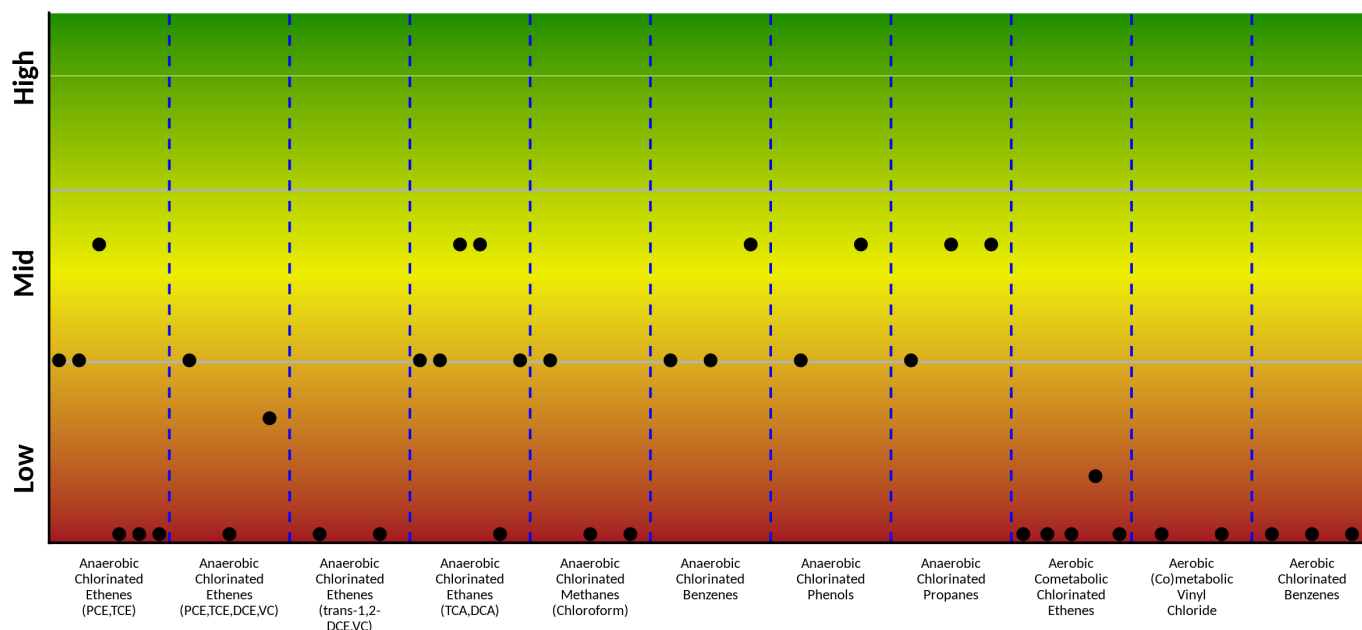


Figure 1: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants.

#### Anaerobic - Reductive Dechlorination or Dichloroelimination

Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2-DCA)	DHC, DHBt, DHG, DSB <sup>1</sup> , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt <sup>2</sup> , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB <sup>1</sup>

#### Aerobic - (Co)metabolism

Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

<sup>1</sup> *Desulfotobacterium dichloroelimans* DCA1. <sup>2</sup> Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.



### Microbial Populations TS-MW-22A2-WG-20200716

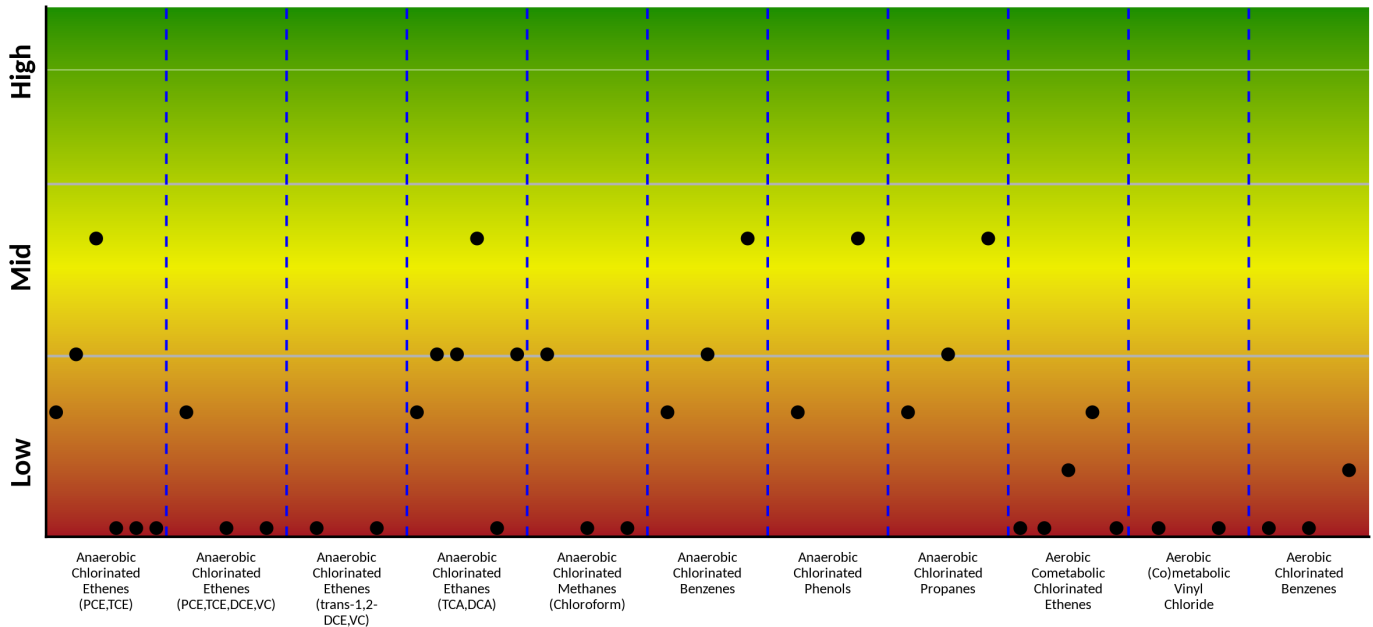


Figure 2: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants.

#### Anaerobic - Reductive Dechlorination or Dichloroelimination

Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2-DCA)	DHC, DHBt, DHG, DSB <sup>1</sup> , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt <sup>2</sup> , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB <sup>1</sup>

#### Aerobic - (Co)metabolism

Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

<sup>1</sup> *Desulfotobacterium dichloroelimans* DCA1. <sup>2</sup> Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

### Microbial Populations TS-MW-21A2-WG-20200716

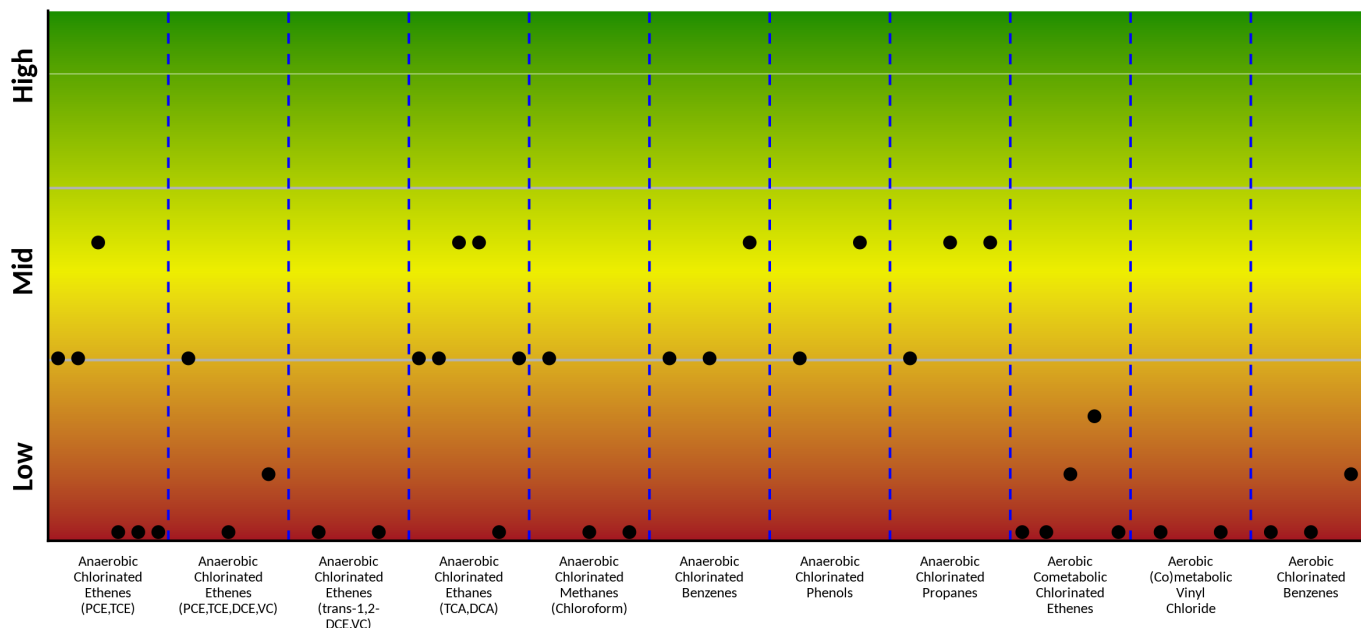


Figure 3: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants.

#### Anaerobic - Reductive Dechlorination or Dichloroelimination

Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2-DCA)	DHC, DHBt, DHG, DSB <sup>1</sup> , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt <sup>2</sup> , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB <sup>1</sup>

#### Aerobic - (Co)metabolism

Chlorinated Ethenes (TCE, DCE, VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

<sup>1</sup> *Desulfotobacterium dichloroelimans* DCA1. <sup>2</sup> Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

### Microbial Populations TS-MW-24B-WG-20200716

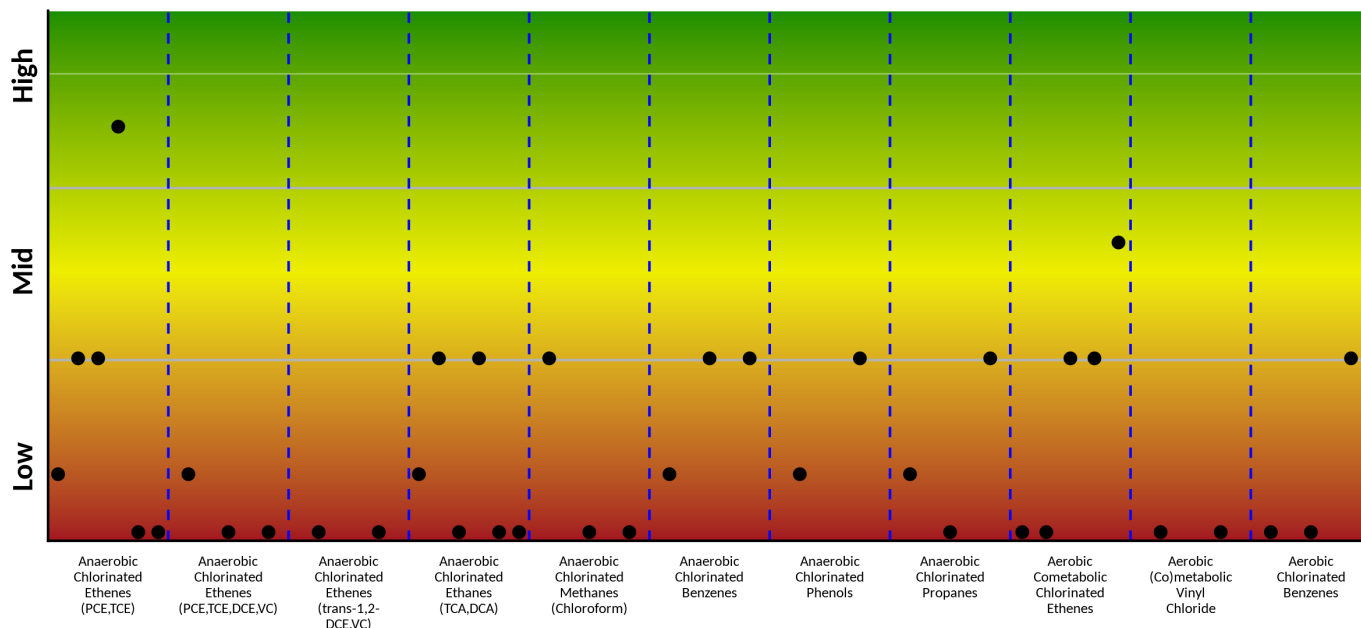


Figure 4: Microbial population summary to aid in evaluating potential pathways and biodegradation of specific contaminants.

#### Anaerobic - Reductive Dechlorination or Dichloroelimination

Chlorinated Ethenes (PCE, TCE)	DHC, DHBt, DSB, DSM, PCE-1, PCE-2
Chlorinated Ethenes (PCE, TCE, DCE, VC)	DHC, BVC, VCR
Chlorinated Ethenes (trans-1,2-DCE, VC)	TDR, CER
Chlorinated Ethanes (TCA and 1,2-DCA)	DHC, DHBt, DHG, DSB <sup>1</sup> , DCA, DCAR
Chlorinated Methanes (Chloroform)	DHBt, DCM, CFR
Chlorinated Benzenes	DHC, DHBt <sup>2</sup> , DECO
Chlorinated Phenols	DHC, DSB
Chlorinated Propanes	DHC, DHG, DSB <sup>1</sup>

#### Aerobic - (Co)metabolism

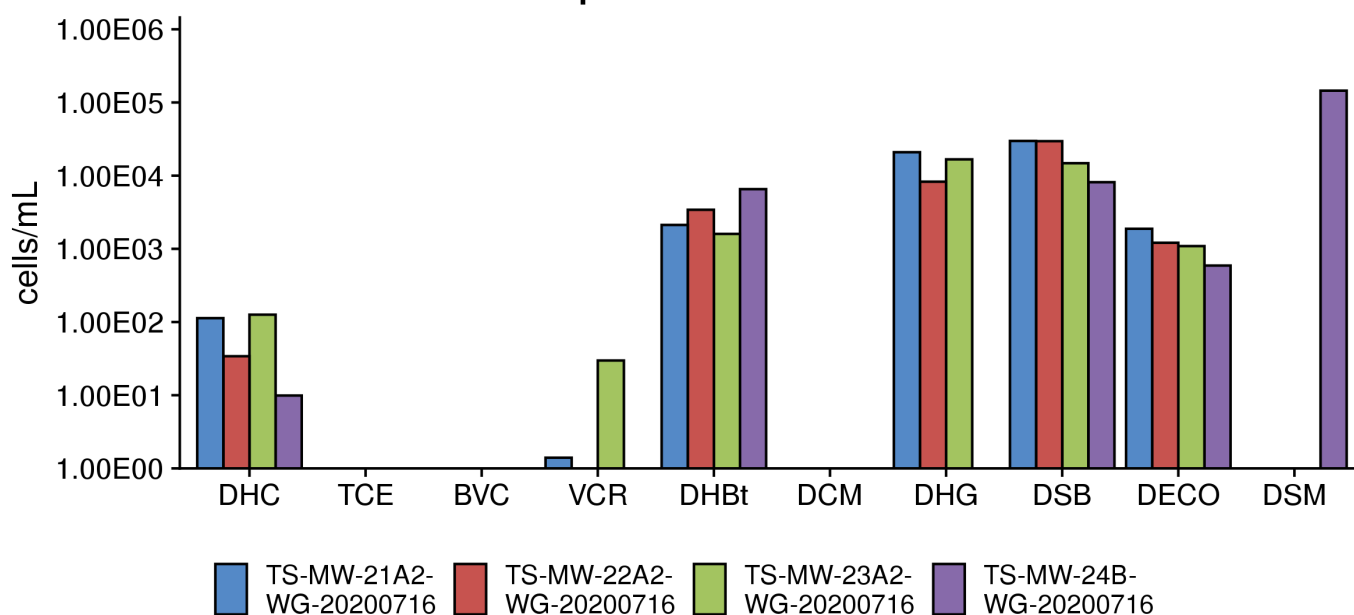
Chlorinated Ethenes (TCE,DCE,VC)	sMMO, TOD, PHE, RDEG, RMO
(Co)metabolic Vinyl Chloride	etnC, etnE
Chlorinated Benzenes	TOD, TCBO, PHE

<sup>1</sup> *Desulfotobacterium dichloroelimans* DCA1. <sup>2</sup> Implicated in reductive dechlorination of dichlorobenzene and potentially chlorobenzene.

**Table 2:** Summary of the QuantArray<sup>®</sup>-Chlor results for microorganisms responsible for reductive dechlorination for samples TS-MW-23A2-WG-20200716, TS-MW-22A2-WG-20200716, TS-MW-21A2-WG-20200716, and TS-MW-24B-WG-20200716.

Sample Name	TS-MW-23A2-WG-20200716	TS-MW-22A2-WG-20200716	TS-MW-21A2-WG-20200716	TS-MW-24B-WG-20200716
Sample Date	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Reductive Dechlorination	cells/mL	cells/mL	cells/mL	cells/mL
<i>Dehalococcoides</i> (DHC)	1.26E+02	3.41E+01	1.13E+02	9.90E+00
tceA Reductase (TCE)	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01
BAV1 Vinyl Chloride Reductase (BVC)	<5.00E-01	<5.00E-01	<5.00E-01	<5.00E-01
Vinyl Chloride Reductase (VCR)	2.98E+01	<5.00E-01	1.40E+00	<5.00E-01
<i>Dehalobacter</i> spp. (DHBt)	1.60E+03	3.42E+03	2.12E+03	6.54E+03
<i>Dehalobacter</i> DCM (DCM)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
<i>Dehalogenimonas</i> spp. (DHG)	1.67E+04	8.27E+03	2.09E+04	<4.70E+00
<i>Desulfitobacterium</i> spp. (DSB)	1.48E+04	2.96E+04	2.98E+04	8.14E+03
<i>Dehalobium chlorocoercia</i> (DECO)	1.09E+03	1.21E+03	1.88E+03	5.91E+02
<i>Desulfuromonas</i> spp. (DSM)	<4.60E+00	<4.70E+00	<4.80E+00	1.45E+05

### Microbial Populations - Reductive Dechlorination

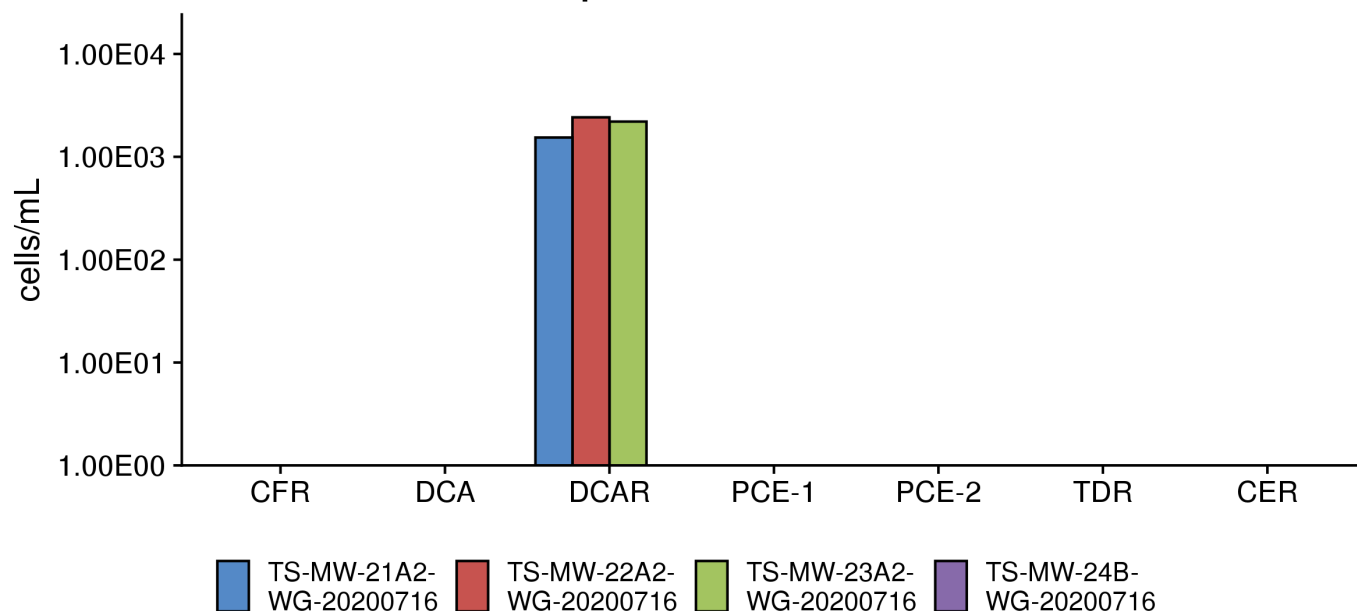


**Figure 5:** Comparison - microbial populations involved in reductive dechlorination.

**Table 3:** Summary of the QuantArray®-Chlor results for microorganisms responsible for reductive dechlorination for samples TS-MW-23A2-WG-20200716, TS-MW-22A2-WG-20200716, TS-MW-21A2-WG-20200716, and TS-MW-24B-WG-20200716.

Sample Name	TS-MW-23A2-WG-20200716	TS-MW-22A2-WG-20200716	TS-MW-21A2-WG-20200716	TS-MW-24B-WG-20200716
Sample Date	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Reductive Dechlorination	cells/mL	cells/mL	cells/mL	cells/mL
Chloroform Reductase (CFR)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
1,1 DCA Reductase (DCA)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
1,2 DCA Reductase (DCAR)	<b>2.20E+03</b>	<b>2.42E+03</b>	<b>1.54E+03</b>	<4.70E+00
PCE Reductase (PCE-1)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
PCE Reductase (PCE-2)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
<i>Dehalogenimonas trans</i> -1,2-DCE Reductase (TDR)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
<i>Dehalogenimonas cerA</i> Reductase (CER)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00

### Microbial Populations - Reductive Dechlorination

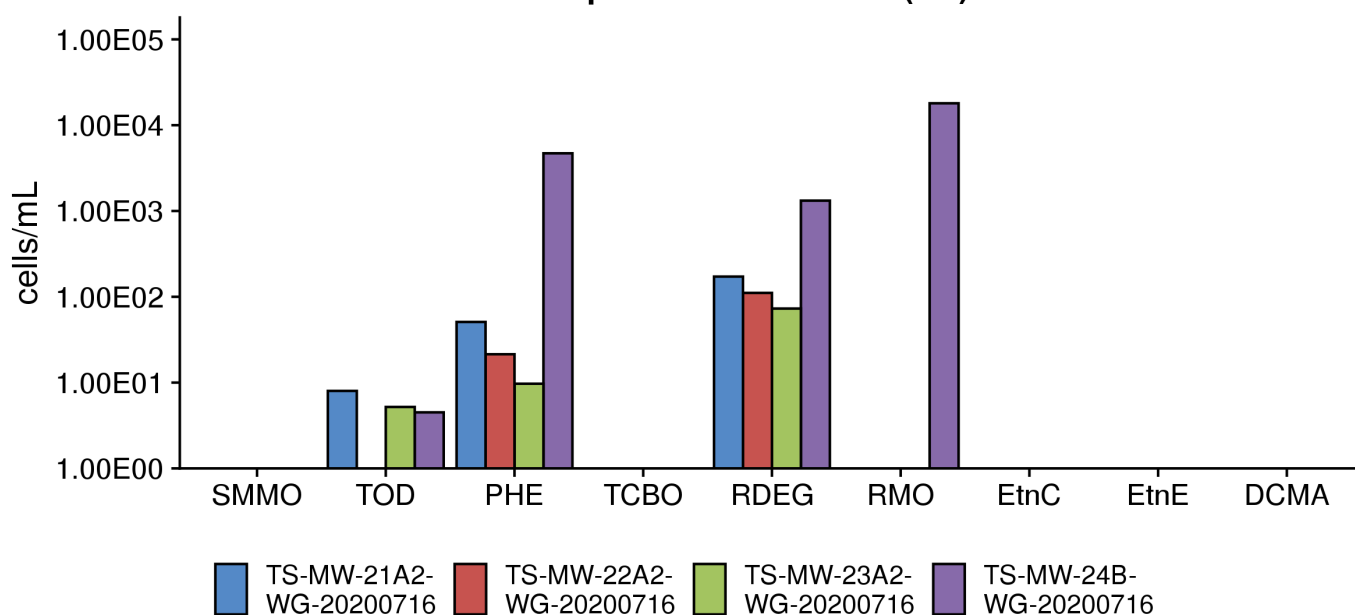


**Figure 6:** Comparison - microbial populations involved in reductive dechlorination.

**Table 4:** Summary of the QuantArray®-Chlor results for microorganisms responsible for aerobic (co)metabolism for samples TS-MW-23A2-WG-20200716, TS-MW-22A2-WG-20200716, TS-MW-21A2-WG-20200716, and TS-MW-24B-WG-20200716.

Sample Name	TS-MW-23A2-WG-20200716	TS-MW-22A2-WG-20200716	TS-MW-21A2-WG-20200716	TS-MW-24B-WG-20200716
Sample Date	07/16/2020	07/16/2020	07/16/2020	07/16/2020
<i>Aerobic (Co)Metabolic</i>	cells/mL	cells/mL	cells/mL	cells/mL
Soluble Methane Monooxygenase (SMMO)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Toluene Dioxygenase (TOD)	5.20E+00	4.00E-01 (J)	8.00E+00	4.50E+00 (J)
Phenol Hydroxylase (PHE)	9.70E+00	2.14E+01	5.09E+01	4.70E+03
Trichlorobenzene Dioxygenase (TCBO)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Toluene Monooxygenase 2 (RDEG)	7.29E+01	1.11E+02	1.72E+02	1.32E+03
Toluene Monooxygenase (RMO)	<4.60E+00	<4.70E+00	<4.80E+00	1.80E+04
Ethene Monooxygenase (EtnC)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Epoxyalkane Transferase (EtnE)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00
Dichloromethane Dehalogenase (DCMA)	<4.60E+00	<4.70E+00	<4.80E+00	<4.70E+00

### Microbial Populations - Aerobic (Co)metabolism

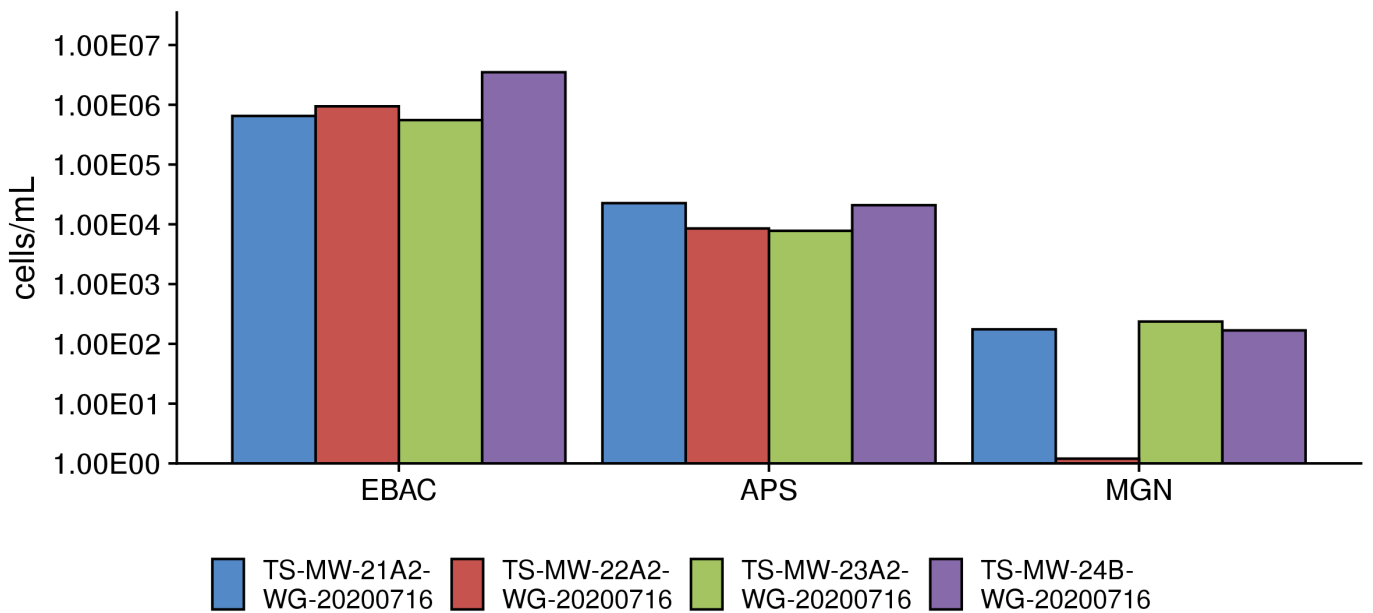


**Figure 7:** Comparison - microbial populations involved in aerobic (co)metabolism.

**Table 5:** Summary of the QuantArray® results for total bacteria and other populations for samples TS-MW-23A2-WG-20200716, TS-MW-22A2-WG-20200716, TS-MW-21A2-WG-20200716, and TS-MW-24B-WG-20200716.

Sample Name	TS-MW-23A2-WG-20200716	TS-MW-22A2-WG-20200716	TS-MW-21A2-WG-20200716	TS-MW-24B-WG-20200716
Sample Date	07/16/2020	07/16/2020	07/16/2020	07/16/2020
Other	cells/mL	cells/mL	cells/mL	cells/mL
Total Eubacteria (EBAC)	5.54E+05	9.42E+05	6.50E+05	3.50E+06
Sulfate Reducing Bacteria (APS)	7.78E+03	8.52E+03	2.26E+04	2.09E+04
Methanogens (MGN)	2.36E+02	1.20E+00 (J)	1.75E+02	1.68E+02

**Microbial Populations - Total Bacteria and Other Populations**



**Figure 8:** Comparison - microbial populations.

## Interpretation

The overall purpose of the QuantArray®-Chlor is to give site managers the ability to simultaneously yet economically evaluate the potential for biodegradation of a spectrum of common chlorinated contaminants through a multitude of anaerobic and aerobic (co)metabolic pathways in order to provide a clearer and more comprehensive view of contaminant biodegradation. The following discussion describes the interpretation of results in general terms and is meant to serve as a guide.

**Reductive Dechlorination - Chlorinated Ethenes:** While a number of bacterial cultures including *Dehalococcoides*, *Dehalobacter*, *Desulfotobacterium*, and *Desulfuromonas* spp. capable of utilizing PCE and TCE as growth-supporting electron acceptors have been isolated [1–5], *Dehalococcoides* may be the most important because they are the only bacterial group that has been isolated to date which is capable of complete reductive dechlorination of PCE to ethene [6]. In fact, the presence of *Dehalococcoides* has been associated with complete reductive dechlorination to ethene at sites across North America and Europe [7], and Lu et al. [8] have proposed using a *Dehalococcoides* concentration of  $1 \times 10^4$  cells/mL as a screening criterion to identify sites where biological reductive dechlorination is predicted to proceed at “generally useful” rates.

At chlorinated ethene sites, any “stall” leading to the accumulation of daughter products, especially vinyl chloride, would be a substantial concern. While *Dehalococcoides* concentrations greater than  $1 \times 10^4$  cells/mL correspond to ethene production and useful rates of dechlorination, the range of chlorinated ethenes degraded varies by strain within the *Dehalococcoides* genus [6, 9], and the presence of co-contaminants and competitors can have complex impacts on the halo-respiring microbial community [10–15]. Therefore, QuantArray®-Chlor also provides quantification of a suite of reductive dehalogenase genes (PCE, TCE, BVC, VCR, CER, and TDR) to more definitively confirm the potential for reductive dechlorination of all chlorinated ethene compounds including vinyl chloride.

Perhaps most importantly, QuantArray®-Chlor quantifies TCE reductase (TCE) and both known vinyl chloride reductase genes (BVC, VCR) from *Dehalococcoides* to conclusively evaluate the potential for complete reductive dechlorination of chlorinated ethenes to non-toxic ethene [16–18]. In addition, the analysis also includes quantification of reductive dehalogenase genes from *Dehalogenimonas* spp. capable of reductive dechlorination of chlorinated ethenes. More specifically, these are the trans-1,2-DCE dehalogenase gene (TDR) from strain WBC-2 [19] and the vinyl chloride reductase gene (CER) from GP, the only known organisms other than *Dehalococcoides* capable of vinyl chloride reduction [20]. Finally, PCE reductase genes responsible for sequential reductive dechlorination of PCE to cis-DCE by *Sulfurospirillum* and *Geobacter* spp. are also quantified. In mixed cultures, evidence increasingly suggests that partial dechlorinators like *Sulfurospirillum* and *Geobacter* may be responsible for the majority of reductive dechlorination of PCE to TCE and cis-DCE while *Dehalococcoides* functions more as cis-DCE and vinyl chloride reducing specialists [10, 21].

**Reductive Dechlorination - Chlorinated Ethanes:** Under anaerobic conditions, chlorinated ethanes are susceptible to reductive dechlorination by several groups of halo-respiring bacteria including *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides*. While the reported range of chlorinated ethanes utilized varies by genus, species, and sometimes at the strain level, several general observations can be made regarding biodegradation pathways and daughter product formation. *Dehalobacter* spp. have been isolated that are capable of sequential reductive dechlorination of 1,1,1-TCA through 1,1-DCA to chloroethane [13]. Biodegradation of 1,1,2-TCA by several halo-respiring bacteria including *Dehalobacter* and *Dehalogenimonas* spp. proceeds via dichloroelimination producing vinyl chloride [22–24]. Similarly, 1,2-DCA biodegradation by *Dehalobacter*, *Dehalogenimonas*, and *Dehalococcoides* occurs via dichloroelimination producing ethene. While not utilized by many *Desulfotobacterium* isolates, at least one strain, *Desulfotobacterium dichloroeliminans* strain DCA1, is also capable of dichloroelimination of 1,2-DCA [25]. The 1,2-dichloroethane reductive dehalogenase gene (DCAR) from members of *Desulfotobacterium* and *Dehalobacter* is known to dechlorinate 1,2-DCA to ethene, while the 1,1-dichloroethane reductive dehalogenase (DCA) targets the gene responsible for 1,1-DCA dechlorination in some strains of *Dehalobacter*. In addition to chloroform, chloroform reductase (CFR) has also been shown to be responsible for reductive dechlorination of 1,1,1-TCA [26].

**Reductive Dechlorination - Chlorinated Methanes:** Chloroform is a common co-contaminant at chlorinated solvent sites and can inhibit reductive dechlorination of chlorinated ethenes. Grostern et al. demonstrated that a *Dehalobacter* population was capable of reductive dechlorination of chloroform to produce dichloromethane [27]. The *cfrA* gene encodes the reductase which catalyzes this initial step in chloroform biodegradation [26]. Justicia-Leon et al. have since shown that dichloromethane can support growth of a distinct group of *Dehalobacter* strains via fermentation [28]. The *Dehalobacter* DCM assay targets the 16S rRNA gene of these strains.

**Reductive Dechlorination - Chlorinated Benzenes:** Chlorinated benzenes are an important class of industrial solvents and chemical intermediates in the production of drugs, dyes, herbicides, and insecticides. The physical-chemical properties of chlorinated benzenes as well as susceptibility to biodegradation are functions of their degree of chlorination and the positions of chlorine substituents. Under anaerobic conditions, reductive dechlorination of higher chlorinated benzenes including hexachlorobenzene (HCB),



pentachlorobenzene (PeCB), tetrachlorobenzene (TeCB) isomers, and trichlorobenzene (TCB) isomers has been well documented [29], although biodegradation of individual compounds and isomers varies between isolates. For example, *Dehalococcoides* strain CBDB1 reductively dechlorinates HCB, PeCB, all three TeCB isomers, 1,2,3-TCB, and 1,2,4-TCB [9, 30]. *Dehalobium chlorocoercia* DF-1 has been shown to be capable of reductive dechlorination of HCB, PeCB, and 1,2,3,5-TeCB [31]. The dichlorobenzene (DCB) isomers and chlorobenzene (CB) were considered relatively recalcitrant under anaerobic conditions. However, new evidence has demonstrated reductive dechlorination of DCBs to CB and CB to benzene [32] with corresponding increases in concentrations of *Dehalobacter* spp. [33].

**Reductive Dechlorination - Chlorinated Phenols:** Pentachlorophenol (PCP) was one of the most widely used biocides in the U.S. and despite residential use restrictions, is still extensively used industrially as a wood preservative. Along with PCP, the tetrachlorophenol and trichlorophenol isomers were also used as fungicides in wood preserving formulations. 2,4-Dichlorophenol and 2,4,5-TCP were used as chemical intermediates in herbicide production (e.g. 2,4-D) and chlorophenols are known byproducts of chlorine bleaching in the pulp and paper industry. While the range of compounds utilized varies by strain, some *Dehalococcoides* isolates are capable of reductive dechlorination of PCP and other chlorinated phenols. For example, *Dehalococcoides* strain CBDB1 is capable of utilizing PCP, all three tetrachlorophenol (TeCP) congeners, all six trichlorophenol (TCP) congeners, and 2,3-dichlorophenol (2,3-DCP). PCP dechlorination by strain CBDB1 produces a mixture of 3,5-DCP, 3,4-DCP, 2,4-DCP, 3-CP, and 4-CP [34]. In the same study, however, *Dehalococcoides* strain 195 dechlorinated a more narrow spectrum of chlorophenols which included 2,3-DCP, 2,3,4-TCP, and 2,3,6-TCP, but no other TCPs or PCP. Similar to *Dehalococcoides*, some species and strains of *Desulfitobacterium* are capable of utilizing PCP and other chlorinated phenols. *Desulfitobacterium hafniense* PCP-1 is capable of reductive dechlorination of PCP to 3-CP [35]. However, the ability to biodegrade PCP is not universal among *Desulfitobacterium* isolates. *Desulfitobacterium* sp. strain PCE1 and *D. chlororespirans* strain Co23, for example, can utilize some TCP and DCP isomers, but not PCP for growth [2, 36].

**Reductive Dechlorination - Chlorinated Propanes:** *Dehalogenimonas* is a recently described bacterial genus of the phylum Chloroflexi which also includes the well-known chloroethene-respiring *Dehalococcoides* [23]. The *Dehalogenimonas* isolates characterized to date are also halo-respiring bacteria, but utilize a rather unique range of chlorinated compounds as electron acceptors including chlorinated propanes (1,2,3-TCP and 1,2-DCP) and a variety of other vicinally chlorinated alkanes including 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, and 1,2-dichloroethane [23].

**Aerobic - Chlorinated Ethene Cometabolism:** Under aerobic conditions, several different types of bacteria including methane-oxidizing bacteria (methanotrophs), and many benzene, toluene, ethylbenzene, xylene, and (BTEX)-utilizing bacteria can cometabolize or co-oxidize TCE, DCE, and vinyl chloride [37]. In general, cometabolism of chlorinated ethenes is mediated by monooxygenase enzymes with “relaxed” specificity that oxidize a primary (growth supporting) substrate (e.g. methane) and co-oxidize the chlorinated compound (e.g. TCE). QuantArray<sup>®</sup>-Chlor provides quantification of a suite of genes encoding oxygenase enzymes capable of co-oxidation of chlorinated ethenes including soluble methane monooxygenase (sMMO). Soluble methane monooxygenases co-oxidize a broad range of chlorinated compounds [38–41] including TCE, *cis*-DCE, and vinyl chloride. Furthermore, soluble methane monooxygenases are generally believed to support greater rates of aerobic cometabolism [40]. QuantArray<sup>®</sup>-Chlor also quantifies aromatic oxygenase genes encoding ring hydroxylating toluene monooxygenase genes (RMO, RDEG), toluene dioxygenase (TOD) and phenol hydroxylases (PHE) capable of TCE co-oxidation [42–46]. TCE or a degradation product has been shown to induce expression of toluene monooxygenases in some laboratory studies [43, 47] raising the possibility of TCE cometabolism with an alternative (non-aromatic) growth substrate. Moreover, while a number of additional factors must be considered, recent research under ESTCP Project 201584 has shown positive correlations between concentrations of monooxygenase genes (soluble methane monooxygenase, ring hydroxylating monooxygenases, and phenol hydroxylase) and the rate of TCE degradation [48].

**Aerobic - Chlorinated Ethane Cometabolism:** While less widely studied than cometabolism of chlorinated ethenes, some chlorinated ethanes are also susceptible to co-oxidation. As mentioned previously, soluble methane monooxygenases (sMMO) exhibit very relaxed specificity. In laboratory studies, sMMO has been shown to co-oxidize a number of chlorinated ethanes including 1,1,1-TCA and 1,2-DCA [38, 40].

**Aerobic - Vinyl Chloride Cometabolism:** Beginning in the early 1990s, numerous microcosm studies demonstrated aerobic oxidation of vinyl chloride under MNA conditions without the addition of exogenous primary substrates. Since then, strains of

*Mycobacterium*, *Nocardioides*, *Pseudomonas*, *Ochrobactrum*, and *Ralstonia* species have been isolated which are capable of aerobic growth on both ethene and vinyl chloride (see Mattes et al. [49] for a review). The initial steps in the pathway are the monooxygenase (*etnABCD*) catalyzed conversion of ethene and vinyl chloride to their respective epoxyalkanes (epoxyethane and chlorooxirane), followed by epoxyalkane:CoM transferase (*etnE*) mediated conjugation and breaking of the epoxide [50].

**Aerobic - Chlorinated Benzenes:** In general, chlorobenzenes with four or less chlorine groups are susceptible to aerobic biodegradation and can serve as growth-supporting substrates. Toluene dioxygenase (TOD) has a relatively relaxed substrate specificity and mediates the incorporation of both atoms of oxygen into the aromatic ring of benzene and substituted benzenes (toluene and chlorobenzene). Comparison of TOD levels in background and source zone samples from a CB-impacted site suggested that CBs promoted growth of TOD-containing bacteria [51]. In addition, aerobic biodegradation of some trichlorobenzene and even tetrachlorobenzene isomers is initiated by a group of related trichlorobenzene dioxygenase genes (TCBO). Finally, phenol hydroxylases catalyze the continued oxidation and in some cases, the initial oxidation of a variety of monoaromatic compounds. In an independent study, significant increases in numbers of bacteria containing PHE genes corresponded to increases in biodegradation of DCB isomers [51].

**Aerobic - Chlorinated Methanes:** Many aerobic methylotrophic bacteria, belonging to diverse genera (*Hyphomicrobium*, *Methylobacterium*, *Methylophilus*, *Pseudomonas*, *Paracoccus*, and *Alibacter*) have been isolated which are capable of utilizing dichloromethane (DCM) as a growth substrate. The DCM metabolic pathway in methylotrophic bacteria is initiated by a dichloromethane dehalogenase (DCMA) gene. DCMA is responsible for aerobic biodegradation of dichloromethane by methylotrophs by first producing formaldehyde which is then further oxidized [52]. As discussed in previous sections, soluble methane monooxygenase (sMMO) exhibits relaxed specificity and co-oxidizes a broad spectrum of chlorinated hydrocarbons. In addition to chlorinated ethenes, sMMO has been shown to co-oxidize chloroform in laboratory studies [38, 41].

## References

1. Gerritse, J. *et al.* Influence of different electron donors and acceptors on dehalorespiration of tetrachloroethene by *Desulfitobacterium frappieri* TCE1. *Applied and Environmental Microbiology* **65**, 5212–5221 (1999).
2. Gerritse, J. *et al.* *Desulfitobacterium* sp. strain PCE1, an anaerobic bacterium that can grow by reductive dechlorination of tetrachloroethene or ortho-chlorinated phenols. *Archives of Microbiology* **165**, 132–140 (1996).
3. Holliger, C., Schraa, G., Stams, A. & Zehnder, A. A highly purified enrichment culture couples the reductive dechlorination of tetrachloroethene to growth. *Applied and Environmental Microbiology* **59**, 2991–2997 (1993).
4. Krumholz, L. R., Sharp, R. & Fishbain, S. S. A freshwater anaerobe coupling acetate oxidation to tetrachloroethylene dehalogenation. *Applied and Environmental Microbiology* **62**, 4108–4113 (1996).
5. Löffler, F. E., Sanford, R. A. & Tiedje, J. M. Initial Characterization of a Reductive Dehalogenase from *Desulfitobacterium chlororespirans* Co23. *Applied and Environmental Microbiology* **62**, 3809–3813 (1996).
6. Maymó-Gatell, X., Anguish, T. & Zinder, S. H. Reductive dechlorination of chlorinated ethenes and 1, 2-dichloroethane by "*Dehalococcoides ethenogenes*" 195. *Applied and Environmental Microbiology* **65**, 3108–3113 (1999).
7. Hendrickson, E. R. *et al.* Molecular analysis of *Dehalococcoides* 16S ribosomal DNA from chloroethene-contaminated sites throughout North America and Europe. *Applied and Environmental Microbiology* **68**, 485–495 (2002).
8. Lu, X., Wilson, J. T. & Kampbell, D. H. Relationship between *Dehalococcoides* DNA in ground water and rates of reductive dechlorination at field scale. *Water Research* **40**, 3131–3140 (2006).
9. Adrian, L., Szewzyk, U., Wecke, J. & Görisch, H. Bacterial dehalorespiration with chlorinated benzenes. *Nature* **408**, 580–583 (2000).
10. Amos, B. K., Suchomel, E. J., Pennell, K. D. & Löffler, F. E. Spatial and temporal distributions of *Geobacter lovleyi* and *Dehalococcoides* spp. during bioenhanced PCE-NAPL dissolution. *Environmental Science & Technology* **43**, 1977–1985 (2009).
11. Duhamel, M. & Edwards, E. A. Growth and yields of dechlorinators, acetogens, and methanogens during reductive dechlorination of chlorinated ethenes and dihaloelimination of 1, 2-dichloroethane. *Environmental Science & Technology* **41**, 2303–2310 (2007).
12. Duhamel, M. *et al.* Comparison of anaerobic dechlorinating enrichment cultures maintained on tetrachloroethene, trichloroethene, /textitcis-dichloroethene and vinyl chloride. *Water Research* **36**, 4193–4202 (2002).
13. Grostern, A. & Edwards, E. A. A 1, 1, 1-trichloroethane-degrading anaerobic mixed microbial culture enhances biotransformation of mixtures of chlorinated ethenes and ethanes. *Applied and Environmental Microbiology* **72**, 7849–7856 (2006).
14. Huang, D. & Becker, J. G. Determination of intrinsic monod kinetic parameters for two heterotrophic tetrachloroethene (PCE)-respiring strains and insight into their application. *Biotechnology and Bioengineering* **104**, 301–311 (2009).
15. Mayer-Blackwell, K. *et al.* 1, 2-Dichloroethane exposure alters the population structure, metabolism, and kinetics of a trichloroethene-dechlorinating *dehalococcoides mccartyi* consortium. *Environmental Science & Technology* **50**, 12187–12196 (2016).
16. Krajmalnik-Brown, R. *et al.* Genetic identification of a putative vinyl chloride reductase in *Dehalococcoides* sp. strain BAV1. *Applied and Environmental Microbiology* **70**, 6347–6351 (2004).
17. Müller, J. A. *et al.* Molecular identification of the catabolic vinyl chloride reductase from *Dehalococcoides* sp. strain VS and its environmental distribution. *Applied and Environmental Microbiology* **70**, 4880–4888 (2004).
18. Ritalahti, K. M. *et al.* Quantitative PCR targeting 16S rRNA and reductive dehalogenase genes simultaneously monitors multiple *Dehalococcoides* strains. *Applied and Environmental Microbiology* **72**, 2765–2774 (2006).

19. Molenda, O., Quaile, A. T. & Edwards, E. A. Dehalogenimonas sp. strain WBC-2 genome and identification of its trans-dichloroethene reductive dehalogenase, TdrA. *Applied and Environmental Microbiology* **82**, 40–50 (2016).
20. Yang, Y. *et al.* Grape pomace compost harbors organohalide-respiring Dehalogenimonas species with novel reductive dehalogenase genes. *The ISME Journal* **11**, 2767 (2017).
21. Maillard, J. *et al.* Reductive dechlorination of tetrachloroethene by a stepwise catalysis of different organohalide respiring bacteria and reductive dehalogenases. *Biodegradation* **22**, 949–960 (2011).
22. Grostern, A. & Edwards, E. A. Growth of Dehalobacter and Dehalococcoides spp. during degradation of chlorinated ethanes. *Applied and Environmental Microbiology* **72**, 428–436 (2006).
23. Moe, W. M., Yan, J., Nobre, M. F., da Costa, M. S. & Rainey, F. A. *Dehalogenimonas lykanthroporepellens* gen. nov., sp. nov., a reductively dehalogenating bacterium isolated from chlorinated solvent-contaminated groundwater. *International Journal of Systematic and Evolutionary Microbiology* **59**, 2692–2697 (2009).
24. Yan, J., Rash, B., Rainey, F. & Moe, W. Isolation of novel bacteria within the Chloroflexi capable of reductive dechlorination of 1, 2, 3-trichloropropane. *Environmental Microbiology* **11**, 833–843 (2009).
25. De Wildeman, S., Diekert, G., Van Langenhove, H. & Verstraete, W. Stereoselective microbial dehalorespiration with vicinal dichlorinated alkanes. *Applied and Environmental Microbiology* **69**, 5643–5647 (2003).
26. Tang, S. & Edwards, E. A. Identification of *Dehalobacter* reductive dehalogenases that catalyse dechlorination of chloroform, 1,1,1-trichloroethane and 1,1-dichloroethane. *Phil. Trans. R. Soc. B* **368**, 20120318 (2013).
27. Grostern, A., Duhamel, M., Dworatzek, S. & Edwards, E. A. Chloroform respiration to dichloromethane by a *Dehalobacter* population. *Environmental Microbiology* **12**, 1053–1060 (2010).
28. Justicia-Leon, S. D., Ritalahti, K. M., Mack, E. E. & Löffler, F. E. Dichloromethane fermentation by a *Dehalobacter* sp. in an enrichment culture derived from pristine river sediment. *Applied and Environmental Microbiology* **78**, 1288–1291 (2012).
29. Field, J. A. & Sierra-Alvarez, R. Microbial degradation of chlorinated benzenes. *Biodegradation* **19**, 463–480 (2008).
30. Jayachandran, G., Görisch, H. & Adrian, L. Dehalorespiration with hexachlorobenzene and pentachlorobenzene by *Dehalococcoides* sp. strain CBDB1. *Archives of Microbiology* **180**, 411–416 (2003).
31. Wu, Q. *et al.* Dechlorination of chlorobenzenes by a culture containing bacterium DF-1, a PCB dechlorinating microorganism. *Environmental Science & Technology* **36**, 3290–3294 (2002).
32. Fung, J. M. *et al.* Reductive dehalogenation of dichlorobenzenes and monochlorobenzene to benzene in microcosms. *Environmental Science & Technology* **43**, 2302–2307 (2009).
33. Nelson, J. L., Fung, J. M., Cadillo-Quiroz, H., Cheng, X. & Zinder, S. H. A role for *Dehalobacter* spp. in the reductive dehalogenation of dichlorobenzenes and monochlorobenzene. *Environmental Science & Technology* **45**, 6806–6813 (2011).
34. Adrian, L., Hansen, S. K., Fung, J. M., Görisch, H. & Zinder, S. H. Growth of *Dehalococcoides* strains with chlorophenols as electron acceptors. *Environmental Science & Technology* **41**, 2318–2323 (2007).
35. Bouchard, B. *et al.* Isolation and characterization of *Desulfitobacterium frappieri* sp. nov., an anaerobic bacterium which reductively dechlorinates pentachlorophenol to 3-chlorophenol. *International Journal of Systematic and Evolutionary Microbiology* **46**, 1010–1015 (1996).
36. Sanford, R. A., Cole, J. R., Löffler, F. & Tiedje, J. M. Characterization of *Desulfitobacterium chlororespirans* sp. nov., which grows by coupling the oxidation of lactate to the reductive dechlorination of 3-chloro-4-hydroxybenzoate. *Applied and Environmental Microbiology* **62**, 3800–3808 (1996).
37. Field, J. & Sierra-Alvarez, R. Biodegradability of chlorinated solvents and related chlorinated aliphatic compounds. *Reviews in Environmental Science and Biotechnology* **3**, 185–254 (2004).

38. Chang, H.-L. & Alvarez-Cohen, L. Biodegradation of individual and multiple chlorinated aliphatic hydrocarbons by methane-oxidizing cultures. *Applied and Environmental Microbiology* **62**, 3371–3377 (1996).
39. Colby, J., Stirling, D. I. & Dalton, H. The soluble methane mono-oxygenase of *Methylococcus capsulatus* (Bath). Its ability to oxygenate n-alkanes, n-alkenes, ethers, and alicyclic, aromatic and heterocyclic compounds. *Biochemical Journal* **165**, 395–402 (1977).
40. Oldenhuis, R., Oedzes, J. Y., Van der Waarde, J. & Janssen, D. B. Kinetics of chlorinated hydrocarbon degradation by *Methylosinus trichosporium* OB3b and toxicity of trichloroethylene. *Applied and Environmental Microbiology* **57**, 7–14 (1991).
41. Van Hylckama, V. J., De Koning, W. & Janssen, D. B. Transformation kinetics of chlorinated ethenes by *Methylosinus trichosporium* OB3b and detection of unstable epoxides by on-line gas chromatography. *Applied and Environmental Microbiology* **62**, 3304–3312 (1996).
42. Futamata, H., Harayama, S. & Watanabe, K. Group-specific monitoring of phenol hydroxylase genes for a functional assessment of phenol-stimulated trichloroethylene bioremediation. *Applied and Environmental Microbiology* **67**, 4671–4677 (2001).
43. McClay, K., Streger, S. H. & Steffan, R. J. Induction of toluene oxidation activity in *Pseudomonas mendocina* KR1 and *Pseudomonas* sp. strain ENVPC5 by chlorinated solvents and alkanes. *Applied and Environmental Microbiology* **61**, 3479–3481 (1995).
44. Newman, L. M. & Wackett, L. P. Trichloroethylene oxidation by purified toluene 2-monooxygenase: products, kinetics, and turnover-dependent inactivation. *Journal of Bacteriology* **179**, 90–96 (1997).
45. Byrne, A. M. & Olsen, R. H. Cascade regulation of the toluene-3-monooxygenase operon (*tbuA1UBVA2C*) of *Burkholderia pickettii* PKO1: role of the *tbuA1* promoter (*PtbuA1*) in the expression of its cognate activator, *TbuT*. *Journal of Bacteriology* **178**, 6327–6337 (1996).
46. Wackett, L. P. & Gibson, D. T. Degradation of trichloroethylene by toluene dioxygenase in whole-cell studies with *Pseudomonas putida* F1. *Applied and Environmental Microbiology* **54**, 1703–1708 (1988).
47. Leahy, J. G., Byrne, A. M. & Olsen, R. H. Comparison of factors influencing trichloroethylene degradation by toluene-oxidizing bacteria. *Applied and Environmental Microbiology* **62**, 825–833 (1996).
48. Wiedemeier, T. H., Wilson, J. T., Freedman, D. L. & Lee, B. *Providing Additional Support for MNA by Including Quantitative Lines of Evidence for Abiotic Degradation and Co-metabolic Oxidation of Chlorinated Ethylenes* tech. rep. (TH Wiedemeier and Associates, Inc. Sedalia United States, 2017).
49. Mattes, T. E., Alexander, A. K. & Coleman, N. V. Aerobic biodegradation of the chloroethenes: pathways, enzymes, ecology, and evolution. *FEMS Microbiology Reviews* **34**, 445–475 (2010).
50. Coleman, N. V. & Spain, J. C. Epoxyalkane: coenzyme M transferase in the ethene and vinyl chloride biodegradation pathways of *Mycobacterium* strain JS60. *Journal of Bacteriology* **185**, 5536–5545 (2003).
51. Dominguez, R. F. *et al.* Aerobic bioremediation of chlorobenzene source-zone soil in flow-through columns: performance assessment using quantitative PCR. *Biodegradation* **19**, 545–553 (2008).
52. La Roche, S. D. & Leisinger, T. Sequence analysis and expression of the bacterial dichloromethane dehalogenase structural gene, a member of the glutathione S-transferase supergene family. *Journal of Bacteriology* **172**, 164–171 (1990).

---

**APPENDIX C      DESIGN SPECIFICATIONS**

# Soil Excavation Specifications



**DATE:** October 9, 2020

3352 128th Avenue  
Holland, Michigan 49424

**SITE:** Ethylene Dichloride Tank Area  
910 Mayer  
Madison, WI

Tel: +1 616 399 3500  
Fax: +1 616 399 3777  
www.erm.com

**FROM:** Environmental Resources Management, Inc.

**SUBJECT:** Soil Excavation Technical Specifications and Request for Proposal

**REFERENCE:** 0441161



## 1. INTRODUCTION

ERM has prepared this Request for Proposal (RFP) for the soil excavation activities associated with the Ethylene Dichloride (EDC) Tank Area remedy at 910 Mayer Avenue, Madison, WI (Site). Generally, the scope of this RFP includes activities associated with soil excavation up to 15 feet below ground surface (bgs). Additional details of the project and the required Bid response are provided in the below sections.

### 1.1 Background

Two former EDC above ground storage tanks were located in the unpaved grassy area south of Building 59. ERM completed numerous soil borings and groundwater monitoring wells from 2017-2020 to define the nature and extent of impacts. Boring logs and analytical results can be found in **Attachment A**.

The highest 1,2-dichloroethane (1,2-DCA) concentrations are in the soil and shallow groundwater in the immediate vicinity of the former EDC Tanks, where finer grained soils are retaining significant volatile organic compounds (VOCs) mass in the saturated zone to a depth of approximately 15 feet bgs. Groundwater is present at a depth of approximately 4 feet bgs. The Site geology in the project area generally consists of sand and fill from 0 – 5 feet bgs, peat from 5 – 7 feet bgs, clay/silt from 7-15 feet bgs and fine sand from 15 – 20 ft bgs.

The soils targeted for excavation have been accepted at Waste Management's Madison Prairie landfill for non-hazardous disposal. The current waste profile is in the process of being amended with the most recent data collected during the pre-design investigation.

### 1.2 Project Overview

The EDC excavation is located in the southern portion of the 910 Mayer property in a vegetated area surrounded by an asphalt parking lot. No site operations are currently conducted in the immediate vicinity of the project area. The project involves the following primary components:

- Clearing, grubbing, and tree removal.
- Protection of utilities, including existing storm sewer and catch basin.
- Implementation of erosion control measures.
- Removal of soils within the excavation extents shown in the Drawings (**Attachment B**). The depth of excavation varies from 5 feet bgs to 15 feet bgs and the estimated yards to be removed is 1,355.

- Dewatering, water treatment (sediment removal), and discharge in accordance with the City of Madison discharge permit (**Attachment C**).
- Backfill and compaction.
- Management of excavated soils, including prevention of any contaminated soil, sediment, or storm water from entering the storm sewer or from leaving the Site.
- Transport and dispose of the spoils at Waste Management's Madison Prairie landfill facility. Based on previous waste characterization samples and a review of the potential source of the EDC, both the Wisconsin Department of Natural Resources and Waste Management indicated that excavated soils are classified as "non-hazardous" waste. Any bidder recommendations for disposal at other treatment, storage, and disposal facilities (TSDF) shall be provided as alternates to the base bid.
- Site restoration, including topsoil, seed, and mulch.

### 1.2.1 Exclusions

The following activities are not included as part of this Scope of Work (SOW):

- Initial subsurface clearance. ERM will work with a private utility locator to locate and mark known utilities. However, it is the Contractor's responsibility to confirm locations and protect all existing utilities during work activities in accordance with ERM's subsurface clearance procedures.
- City of Madison Discharge Permit. ERM obtained a discharge permit (**Attachment C**) from the City of Madison and is currently working on extending the expiration date to allow the discharge of treated groundwater to the City sanitary sewer system. The Contractor shall adhere to all permit requirements.

## 1.3 List of Drawings (Attachment B)

**Figure 1 Existing Conditions**

**Figure 2 Excavation Areas**

## 1.4 Definitions

"Bid Form" (**Attachment D**) shall mean the document which presents all financial assumptions, limitations and costs by the Bidder as an offer to perform the work.

"Bidder" shall mean company submitting a firm bid for this work.

"Contractor" shall mean the selected company to implement the project and its subcontractors.

"Owner" shall mean 910 Mayer LLC

"Engineer" shall mean Environmental Resources Management, Inc. (ERM).

"Provide" shall mean "furnish and install."

"Site" shall mean 910 Mayer Avenue, Madison, Wisconsin.



## 2. SCOPE OF WORK

### 2.1 Clearing and Grubbing

The Contractor shall remove trees, shrubs, brush, tall grass, weeds, and other vegetation as required to complete the Work. The Contractor shall be responsible for off-site transportation and recycling/disposal of all cleared materials. The portion of the tree above grade may be recycled, however, anything in contact with soils (e.g., root balls) shall be disposed of with the excavated soils.

### 2.2 Excavation

All excavations shall be cut accurately within the lines and limits shown on the Drawings. Care shall be taken not to excavate below the grades indicated, unless otherwise approved or directed by the Engineer. Excessive excavation shall be backfilled to grade with suitable fill material (e.g., general fill) as directed by the Engineer with no additional cost to the Owner or Engineer. The Contractor is responsible for the stability of the excavation and shall slope the sidewalls and/or provide shoring as necessary. Any shoring activities shall be conducted in accordance with local, state, and federal codes, and as approved by the Contractor's Engineer.

The Contractor shall provide a competent person or persons, as required under the Occupational Safety and Health Act (OSHA), to inspect and to supervise the conformance of the earthwork activities with all regulations.

### 2.3 Dewatering

Under the discharge permit in **Attachment C**, water generated during excavation activities shall be discharged to the City of Madison sanitary sewer system. It is the Contractor's responsibility to adhere to the permit requirements and provide necessary sediment removal in compliance with NR 1061. Sediment generated during treatment shall be disposed of with the excavated soils. The Contractor shall also provide a flow meter to track the number of gallons discharged.

The Contractor shall supply sufficient pumps and sediment removal technologies (e.g., open top weir tank, bag filters, etc.) to allow for the excavation and backfill to be completed in the dry. The Contractor shall minimize the volume of water generated inside excavation by backfilling open areas immediately after excavation, once approved by Engineer.

### 2.4 Backfill

The excavations shall be backfilled to 4 inches below final grade with general fill and topped with 4 inches of topsoil.

#### 2.4.1 General Fill

General fill shall meet the following requirements:

- The backfill material shall be of acceptable quality, free from large or frozen lumps, wood, or other extraneous matter.
- Material shall be a natural sand or crushed stone that meets the requirements of Wisconsin Department of Transportation (WisDOT) well-graded fine aggregate gradation, or Engineer approved equal.

Sieve Size	% Passing By Weight
3/8-inch	100
No. 4	90-100
No. 16	45-85
No. 50	5-35

No. 100	0-10
---------	------

- General fill shall be certified clean from the borrow source of origin, based on analytical testing data.

### 2.4.2 Topsoil

Topsoil shall meet the following requirements, unless approved by Engineer:

- Topsoil shall have a minimum 15% and a maximum of 80% passing the No. 200 sieve and not more than 36% clay and not more than 5% gravel by volume.
- Topsoil shall be reasonably free from subsoil, clay lumps, stones, brush, objectionable stumps, roots, litter, toxic substances, and other material or substances which may be harmful to plant growth or be a hindrance to grading, planting and maintenance operations.
- The pH of the material shall be between 6.0 and 7.5.
- The organic content shall be not less than 2 percent nor more than 10 percent.
- Topsoil shall be certified clean from the borrow source of origin, based on analytical testing data.

### 2.4.3 Source Testing

#### General Fill

Test	Methodology	Frequency
Particle Size	ASTM D 6913	1 test/source
Analytical Testing	EPA 8260B, EPA 8270C, EPA 6010B, EPA 8082C	1 test/source

#### Topsoil

Test	Methodology	Frequency
Particle Size	ASTM D 6913	1 test/source
pH	ASTM D 4972	1 test/source
Organic Content/Percent	ADTM D 2974	1 test/source
Analytical Testing	EPA 8260B, EPA 8270C, EPA 6010B, EPA 8082C	1 test/source

Documentation of "clean fill" shall include laboratory analyses of representative samples for the following parameters: RCRA Metals, volatile organic compounds (VOCs), Semi-VOCs, and polychlorinated biphenyls (PCBs). The results for all analyses shall be below NR720 Residential Soil Clean-up Standards: [HTTPS://DOCS.LEGIS.WISCONSIN.GOV/CODE/ADMIN\\_CODE/NR/700/720](HTTPS://DOCS.LEGIS.WISCONSIN.GOV/CODE/ADMIN_CODE/NR/700/720)

## 2.5 Utilities and Subsurface Obstructions

The Drawings show approximate locations of known utilities and extents of former foundations. However, there is the potential to encounter old electrical conduits, process piping, and/or concrete obstructions. If, during the course of the Work, a utility or underground structure is uncovered, the Contractor shall immediately stop work in the vicinity and notify ERM. It is the Contractors responsibility to identify/confirm locations and protect all existing utilities during work actives in accordance with ERM's subsurface clearance procedures (**Attachment E**).

Unknown underground structures and utilities, if encountered, shall be uncovered sufficiently to determine if it is discontinuous (e.g., previously cut/capped pipe, part of a former concrete foundation, etc.) or is intact. The

Contractor shall document previously unknown utilities, both active and inactive, including utility owner, detail drawings, results of tapping and investigation of the line, and identification of activity of the utility. Any utilities encountered that are determined to be inactive shall be removed as necessary to complete installation work. Remaining portions of these utilities shall be abandoned, cut and capped at the excavation extent. The Contractor shall be prepared to remove any concrete subsurface obstruction uncovered, once approved by ERM.

## 2.6 Compaction

Backfill shall be placed in lifts as to not exceed the capabilities of the Contractor's compaction equipment, with maximum of 12-inch lifts to a substantially unyielding condition, as approved by the Engineer. The Engineer retains the right to ask for third party compaction tests to confirm compaction to ASTM D1557 at a 90% proctor if proper compaction practices are not observed. Any third party compaction tests shall be completed at no additional cost to ERM or the Owner.

## 2.7 Temporary Spoils Storage

Excavated spoils may be temporarily stored on-Site to allow for soil mixing prior to transportation and disposal, however, precautions shall be taken to prevent precipitation from contacting spoils or runoff entering the storm sewers (i.e., Placed on and covered by poly sheeting and/or placed in covered/lined roll-off dumpster(s)). Staging areas will require approval by ERM.

Precautions shall be taken to prevent excavated spoils from being transported to any surface water body or storm sewer.

## 2.8 Transportation & Disposal

Bidders shall include transportation & disposal of non-hazardous spoils at the Waste Management Waste Management's Madison Prairie landfill facility in Sun Prairie, Wisconsin.

Waste characterization sampling was conducted by the ERM in 2019 during Site investigation activities. Based on sample data and a review of the potential source of the EDC, both the WDNR and Waste Management indicated that the soils would be classified as "non-hazardous" waste. The Contractor will be responsible for assuring compliance with all disposal facility receipt and acceptance criteria including passing paint filter test.

ERM is currently working with Waste Management to update the waste profile with the most recent analytical data.. The approval of the landfill for waste disposal will not be unduly withheld and cost adjustments for an alternative disposal facility will be made on a unit cost basis, if necessary.

The above ground portion of the cleared trees should not be disposed of with the non-hazardous soil. The Contractor shall identify a separate facility for Engineer approval prior to removal from the Site.

Waste transportation requirements include:

- Contractor shall dispatch appropriate vehicles and containers (including but not limited to roll-off boxes, end dump trucks, etc.) in good condition to the project Site to be loaded for transport from the Site to the disposal facility. All trucks and containers shall be clean and shall not have any leaks. All waste transportation trucks shall have backup alarms. Trucks and containers shall be inspected by the Contractor upon arrival to the Site and any trucks and containers found to be inadequate shall be turned away. ERM will not be responsible for any costs associated with any delays caused by delivery of inadequate trucks or equipment.
- Demurrage will not be paid by ERM unless the demurrage is directly the cause of ERM.
- The Transporter Company shall adhere to and be in compliance with all regulatory requirements under 49 CFR.

- Transporter must be in good standing with the State and U.S. DOT as well as the USEPA.
- Transporters will be required to abide by all health and safety requirements of ERM and the facility. At a minimum, each driver will be REQUIRED to wear a hard hat (at all times while on premises of the facility while the driver is out of the truck), long pants, appropriate work shirts, steel-toed safety shoes and safety glasses. ERM reserves the right to turn away any driver who does not meet these minimum health and safety requirements. ERM will not be responsible for any demurrage or other costs as a result of turning away a driver who does not meet ERM's health and safety requirements.
- Transporter shall prevent contamination of soil, water or atmosphere by the discharge of noxious substances resulting from their activities; prevent the tracking of soil and debris from the work areas to other facility locations as well as off-Site; and perform emergency measures (if required) to contain and address any releases resulting from Contractor operations. Contractor shall report all releases to ERM contact. Should Contractor cause a release, Contractor will be held financially responsible for removal (to be conducted by others) of impacted material, sampling and analysis of waste for disposal purposes (to be conducted by others) and disposal (to be conducted by others) costs associated with the release.
- All non-hazardous waste shipped/transported off-Site for disposal shall be manifested. Construction and demolition debris and municipal solid waste may be shipped using a bill of lading. All manifests shall be provided by the Contractor and will be signed by an Owner representative or ERM. The Contractor shall provide waste disposal paperwork (waste profile forms and manifests) to ERM prior to waste transport for review and to allow enough time to obtain signature.
- After/during transportation and disposal of the waste, the Contractor shall provide the original final facility-signed manifest and copies of weight tickets to ERM.

## 2.9 Grading

The Contractor shall perform final grading of the backfill to maintain existing Site contours, as approved by ERM. All final contours shall assure that no ponding occurs and positive drainage of surface-water run-off from the excavation area is maintained.

## 2.10 Survey

The Contractor shall subcontract a professional land surveyor registered in the State of Wisconsin to complete a pre- and post-construction survey. The pre-construction survey shall document the existing topography and excavation extent stakes.

## 2.11 Final Restoration

The Contractor shall perform restore the site with 4 inches of topsoil, seed, and mulch. The seed shall be a WisDOT No. 10 mix, or Engineer approved equal, and mulch shall be straw that is reasonably free of grain and weeds, seeds, or mold.

### 3. GENERAL REQUIREMENTS

The Contractor shall provide all labor, personnel, lodging/per diem, lower-tier subcontractors, equipment, tools, materials (unless otherwise noted), and services necessary to complete the work as outlined in this RFP. The Contractor is responsible for reading and understanding all the information contained in the RFP. If the Contractor has any questions or concerns, it is the Contractor's responsibility to contact ERM for clarification. In addition, if the Contractor believes that ERM has not included all pertinent information or if the Contractor has an alternate method for completing a task, it is the Contractor's responsibility to notify ERM to obtain written approval and documentation of any scope modification before implementing the modified scope.

The Contractor shall carefully examine the Site during the mandatory Site walk and make all inspections necessary to determine the full extent of the work required to make the completed work conform to the RFP requirements. The Contractor shall satisfy itself as to the nature and location of the work, conditions, the conformation and condition of the existing facility, and the condition of equipment and facilities needed for the execution of the work. Any inaccuracies or discrepancies between the actual field conditions and the RFP or other reference documents must be brought to ERM's attention to clarify the exact nature of the work included in the RFP requirements and pricing.

The work shall be performed in accordance with this RFP and the attached Drawings.

All work shall be completed in compliance with current federal, state, and local regulations and in accordance with standard industry practice. The most stringent of these regulations shall apply in any situation regarding clarification. The Contractor shall comply with all Site entry/exit requirements, haul routes, health and safety, permitting, work schedule, and any other requirements that may be set by ERM.

#### 3.1 Submittals

The Contractor shall contact Diggers Hotline (811 or 800-242-8511) prior to commencing the excavation activities and provide the ticket confirmation number to ERM.

The Contractor shall submit the following to ERM for review within 10 calendar days after Contract award. All submittals shall include a cover page including the submittal number, title, and date. All submittals must be accepted by ERM formally prior to mobilization.

- Detailed Health and Safety Plan with a Job Hazard Analysis for each task
- Detailed Work Plan including a description of the technical approach, providing the means and methods proposed to complete the scope of work
- Detailed schedule of Work indicating how the Work will be sequenced, the duration for each major activity, and the total anticipated schedule duration
- Imported backfill (source, grain size, and analytical results)
- Site restoration materials
- Other materials or items needed to be installed during the Work
- Other items as required by the design drawings or RFP
- Other plans as requested by Owner's Representative

The Contractor shall keep a daily record of site activities that shall include:

- Name of Subcontractor personnel and duration on-site
- Tasks completed as well as location of work, volumes of materials excavated/backfilled, footage of pipe installed, etc.
- Record and inspection of all construction materials received and that they match approved submittals
- Record of quality control testing completed

- Record of time required for activities including standby, weather delays, etc., including time for which the Subcontractor shall not be compensated (equipment failure, weather delays, utilities clearance)
- Redline marked up Drawings showing field modifications

Daily reports shall be legible and a copy shall be given to the ERM representative by the following morning.

### 3.2 Utility Clearance

The Contractor shall contact Diggers Hotline (811 or 800-242-8511) prior to commencing the excavation activities and provide the ticket confirmation number to ERM.

The Drawings show approximate locations of known utilities based on historical drawings. The Contractor shall notify Diggers Hotline, Wisconsin's one-call center, at least 5 days before starting construction. It is the Contractor's responsibility to confirm the location of all utilities within the limits of work. All earth disturbing activities within critical zones must be hand dug in accordance with ERM's subsurface clearance procedures (**Attachment E**).

The Contractor will be responsible for determining any conflicts between existing utilities and earth disturbing activities. The only known active utility proximate to the work is a catch basin and storm sewer, however, there is potential to encounter old electrical conduits and/or process piping. The Contractor shall ensure the aforementioned utilities and all others within the vicinity of the proposed work area are properly marked before any intrusive activities take place. The Contractor may, at its discretion, but at no additional cost to the Owner, conduct a new private utility locate.

If utilities are identified which are to remain in place, the Contractor must provide adequate means of utility protection from any damage during work activities. The Contractor shall provide a means to hand dig, expose and identify known utilities within the proposed areas where any invasive actions take place in accordance with ERM's subsurface clearance procedures. The cost for "day lighting" each utility location is the responsibility of the subcontractor with no additional cost to ERM or the client.

If uncharted or incorrectly charted piping or utilities are encountered during hand digging procedure, the Contractor shall stop work immediately and consult with ERM for directions. The Contractor shall cooperate with the Owner and utility companies in keeping respective utility services and facilities in operation. The Contractor is responsible for repair and/or replacement of any damaged utilities caused by Contractors' efforts to the satisfaction of utility owner.

The Contractor must coordinate and obtain written approval from the Owner and ERM before interrupting existing utilities serving facilities occupied and used by the Owner or others.

### 3.3 Protection of Work and Property

The Contractor shall be responsible for taking precautions and actions necessary to protect the work and public and private property and facilities from damage. To prevent damage, injury or loss, Contractor's actions shall include, but not be limited to, the following:

- Store apparatus, materials, supplies, and equipment in an orderly, safe manner that will not interfere with the progress of the work or the work of any other subcontractors or current onsite activities.
- Provide suitable storage facilities for materials that are subject to damage by exposure to weather, theft, breakage, or otherwise.

- Frequently clean up refuse, rubbish, scrap materials, and debris caused by work activities so that the site has a safe, orderly and competent appearance.
- Provide barricades and caution tape for the work zone.
- Contractor shall assume full responsibility for the preservation of all public and private property.
- Contractor shall be responsible for protecting all active buried utilities in and around excavation areas, intrusive action areas and existing on-Site structures (including groundwater monitoring wells) throughout execution of the work.

### 3.4 Permitting

The Contractor shall be responsible for obtaining all permits and submitting all notifications required for completing the activities as described in this RFP unless specifically stated that the permit will be obtained by others (Section 1.2.1, Exclusions).

Construction shall be conducted consistent with the laws, ordinances, codes, and regulations of all relevant jurisdictional authorities. Contractor shall obtain applicable permits from the City of Madison and other local, state and federal agencies, as required, at no additional cost to the Owner. Contractor shall indicate in its bid which permits, if any, are required for the project.

### 3.5 Operating Hours

The Contractor shall be allowed access to the Site during normal operational hours (7 a.m. to 5 p.m., Monday through Friday), except federal holidays. Equipment, supplies, and materials shall be received or shipped during these defined work hours. Work performed during other hours may be allowed, as approved by ERM.

The Contractor shall determine what their work hours will be and state in its bid the estimated duration for performing the Work. Extended work hours or different work hours shall be coordinated and approved by ERM prior to start of work. No extended work hours will be allowed without prior approval.

Depending on the magnitude of adverse weather and its potential impact to the project schedule, time lost during the scheduled workweek may be made up on an accelerated schedule (including evenings and weekends) at the discretion of ERM at no additional cost to the project.

### 3.6 Site Restoration

Contractor shall restore all damage to the Site resulting from Contractor-related activities, including: buildings, structures, fences, pavement, curbs, and underground utilities/structures outside the excavation areas such that evidence of disturbance by the work is absent. Restoration activities shall be at no additional cost to the Owner and shall secondarily meet the requirements of the Property Owner.

### 3.7 Housekeeping

The Contractor shall make every effort to ensure the Site is kept in good order at all times. This includes keeping the Site clean and free of trip hazards, etc. All locations must be thoroughly cleaned daily and after completion of the task and, returned to their previous, undisturbed condition.

### 3.8 Contractor Requirements

Contractor shall implement the work at its own risk and be responsible for providing all necessary safeguards for the protection of the Project, and all persons and property used to perform the Project or which are affected by the Project, and for materials delivered at the Site, in storage and in transit, that are to be installed or erected by the Contractor, until approval of the Contractor's application for final payment.

Contractor shall maintain complete and accurate records for Engineer inspection of all materials and equipment received, stored and issued for use in the performance of the project. Contractor shall at all times conduct all operations in a manner to avoid the risk of loss, theft, or damage by vandalism, sabotage or any other means to any work, materials, goods, equipment or other property at the Site.

Contractor shall continuously inspect all work, materials, goods and equipment to discover and determine any conditions that might involve such risks and shall be solely responsible for discovery, determination and correction of any such conditions, and shall report them to the Engineer upon discovery and correction. The use of any equipment or Site facilities by Contractor or any of its subcontractors, with or without permission of another shall be at its own risk.

Upon completion of the project and prior to final payment, Contractor shall at its expense satisfactorily dispose of all rubbish and demobilize all equipment and materials belonging to Contractor.

### 3.9 Field Adjustments

The SOW and Drawings herein describe anticipated Site conditions and construction configurations. Contractor shall accommodate minor field adjustments with no additional cost to the Owner.

### 3.10 Contract/Agreement

ERM will hold the contract with the successful bidder. Work shall be performed in accordance with the contract terms located in this link: [http://www.erm.com/NA\\_subcontract\\_terms](http://www.erm.com/NA_subcontract_terms), or the terms under an existing contract with ERM, if applicable.

The Contractor will need to provide up-to-date license and insurance information per the contract requirements with the proposal. ERM's subcontractor insurance requirements are listed below, should the Contractor take any exceptions to the insurance requirements below, please state within the proposal.

POLICY TYPE	Per occurrence*	Aggregate	Additional Insured	Waiver of Subrogation	Primary/Non-Contributory
Workers' Compensation	Statutory		N/A	Yes	N/A
Employers' Liability	\$1M	N/A	N/A	Yes	N/A
General Liability	\$1M	\$2M	ERM and Client	Yes	Yes
Auto Liability	\$1M	N/A	ERM and Client	Yes	Yes
Excess/Umbrella (over GL, EL, AL)	\$5M	\$5M	Yes, "follow form"	Yes, "follow form"	Yes, "follow form"
Contractor's Pollution Liability	\$2M	\$2M	ERM and Client	Yes	Yes
Professional Liability	\$2M*	\$2M	N/A	Prime Contract	No

\*PL can be "per claim"

### 3.11 Health & Safety

Health and safety requirements for the project are discussed in the contract terms. Contractor's health and safety provisions, including personal protective equipment, including COVID-19 protocols (as needed), shall be at no additional cost to the Owner. Contractor shall submit a Health and Safety Plan (HASP) to the Engineer prior to commencing work. ERM will require an integrated HASP for this project; coordination with ERM on all Health and Safety aspects will be required.



### 3.12 Schedule

The current procurement and milestone schedule for the project is as follows:

- Pre-bid Meeting on-Site: October 13, 2020 - 10:00 am
- Bid Due Date: October 21, 2020 – 5:00 pm
- Anticipated Bid Award/Contracting: October 28, 2020
- Anticipated Construction Period: November 2020

The Bidders shall provide with their Bid, a schedule which indicates their proposed implementation milestones for major components of the work within the bounds of the above schedule.

## 4. BID ITEMS

### 4.1 Submittals

#### 4.1.1 Description

Work for this Bid Item includes the preparation and submittal of work plans, schedules, material/product specifications, technical data, samples, certifications, equipment manuals, and shop drawings to and for approval by the Engineer prior to the commencement of onsite work. Work for this Bid Item includes preparation, submittal (including fees), and obtaining all local, State and Federal permits/licenses, as necessary for the execution of the work, unless the permit is specifically listed in Section 1.2.1 Exclusions.

#### 4.1.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

### 4.2 Mobilization and Site Preparation

#### 4.2.1 Description

Work for this Bid Item includes the transportation of all equipment, tools, supplies, materials, and personnel to the Site, as necessary for the execution and completion of the Work. Work for this Bid Item also includes all personnel, equipment, tools, and materials necessary to install and maintain temporary facilities, utilities, and controls as required for the execution of the Work. Temporary facilities includes, but is not limited to, office/trailer space; signage; site security and protection measures; temporary barricades and fencing; equipment, material, and waste storage areas (e.g., equipment laydown areas, container storage areas, imported fill stockpile areas, and waste storage areas); and decontamination pad and associated facilities. Temporary utilities includes, but is not limited to, providing potable water and portable sanitary facilities. Temporary controls includes, but is not limited to, furnishing and installing erosion and sedimentation controls and dust control measures as necessary for the areas of the Contractor's work.

#### 4.2.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

### 4.3 Utility Locate and Protection

#### 4.3.1 Description

Work for this Bid Item includes all personnel, equipment, tools, and materials necessary to identify, accurately locate, and expose active utilities as well as known or unknown abandoned utilities. This Bid Item also includes protecting the active storm sewer and catch basin located within the limits of Work. Any damage or non-approved interruption of an active utility shall be promptly repaired or replaced by the Contractor at the sole discretion of ERM at no additional cost.

#### 4.3.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

## 4.4 Clearing, Grubbing, and Tree Removal

### 4.4.1 Description

Work for this Bid Item includes all personnel, equipment, tools, and materials necessary to complete clearing, grubbing, and tree removal necessary to complete the Work. This shall also include the chipping of the trees and off-site disposal.

### 4.4.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

## 4.5 Excavation

### 4.5.1 Description

Work for this Bid Item includes all personnel, equipment, tools, and materials necessary to excavate soils to the depth and limits shown on the Drawings. Work for this Bid Item includes amending excavated soils as necessary to meet transportation contractor and TSDf requirements and includes loading materials into haul trucks or containers (e.g., roll-off box). Costs for dewatering of excavations and the transportation and disposal are included in separate Bid Items.

### 4.5.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

## 4.6 Backfill

### 4.6.1 Description

Work for this Bid Item includes all personnel, equipment, tools, and materials necessary to backfill and compact the excavation.

### 4.6.2 Measurement and Payment

This Bid Item will be measured on a unit rate basis, per ton of material based on scale tickets. . Payment for this Bid Item will be made for the actual amount of work accepted, based upon document review and/or measurements by the Engineer. The Contractor's Unit Rate Costs, as submitted with their Proposal, shall be equally applied to any extra costs or credits.

## 4.7 Dewatering and Water Treatment

### 4.7.1 Description

Work for this Bid Item includes all personnel, equipment, tools, and materials necessary to dewater excavations to allow the Work to be performed in dry conditions. The Bid Item also includes all personnel, equipment, tools, and materials necessary to treat and discharge groundwater extracted from excavations and decontamination fluids in accordance with the City of Madison Discharge Permit. This Bid Item includes all handling and tank storage necessary to perform the Work.

### 4.7.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

## 4.8 Transportation and Disposal

### 4.8.1 Description

Work for this Bid Item includes transportation and disposal of all non-hazardous soils and demolition wastes including, but not limited to, concrete foundations, abandoned piping, tree roots, and other debris encountered within the limits of excavation. Wastes shall meet disposal facility specific requirements and all Federal, State, and local regulations as required for the execution of the Work.

### 4.8.2 Measurement and Payment

This Bid Item will be measured on a unit rate basis, per ton based on landfill scale tickets. Payment for this Bid Item will be made for the actual amount of work accepted, based upon document review and/or measurements by the Engineer. The Contractor's Unit Rate Costs, as submitted with their Proposal, shall be equally applied to any extra costs or credits.

## 4.9 Site Restoration

### 4.9.1 Description

Work for this item includes the equipment, labor, and materials required to provide and place 4 inches of topsoil, seed, and mulch on all disturbed areas.

### 4.9.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

## 4.10 Demobilization

### 4.10.1 Description

Work for this Bid Item includes the removal and transport of all equipment, tools, supplies, materials, and personnel from the Site upon completion of the Work, including removal of all temporary facilities and controls.

### 4.10.2 Measurement and Payment

This Bid Item will be measured on a Lump Sum Basis. Payment will be made upon review and acceptance by the Engineer for the total value listed for this Bid Item on the Bid Form. Progress payments will be made as described in the Contract based upon estimated percent complete as determined by the Engineer.

## 5. PROPOSAL GUIDELINES

### 5.1 General Requirements

The general requirements for submitting a proposal are included below:

- No Bid may be withdrawn for at least sixty (60) days after the scheduled closing time for receiving bids.
- All Bids must be in accordance with the “Bid Form” and all written amendments, if any, issued by Engineer.
- If the Bidder believes there are additional costs not indicated in the Bid Items/Bid Form, they shall be provided along with an explanation as to why they are required.
- The Bidder shall review the Bid Form and confirm estimated quantities for unit rate items.
- Owner shall not have any obligation to the successful Bidder unless and until a Contract is executed between Engineer and the successful Bidder.
- Expenses associated with preparing a Bid and finalizing the Contract (if applicable) that are incurred by any party responding to this request shall be the sole responsibility of such responding party.
- ERM reserves the right to reject any or all bids, to waive informalities to any Bid, and to accept the Bid that is in the best interest of the Owner at ERM’s sole discretion.

### 5.2 Proposal Components

The Bid shall include, on a separate sheet(s) of paper, written narrative description that demonstrates Bidder’s understanding of the work and approach to executing the work in accordance with the Contract Documents.

The written narrative shall include, at a minimum, the following work elements:

- A description of the technical approach, providing the means and methods proposed to complete the scope of work.
- A complete list of all assumptions used during the preparation of the Bid.
- A Project Schedule: A schedule indicating how the work will be sequenced, the duration for each major activity and the total anticipated schedule duration.
- A statement of planned working hours.
- A list of all permits and required approvals that will be necessary to perform the Work.
- Labor and equipment rate schedule, markups, surcharges, fees, equipment/tool rental rates, safety supplies, consumables, etc. that the Bidder may use in performing the work. The Bid shall include standby rates for those items listed here.
- List of all anticipated key personnel and respective relevant qualifications and certifications.
- List of all proposed subcontractors. All subcontractors to be used by the Bidder, regardless of contract value, must be registered in Avetta.
- Acknowledgment of all addenda.
- Completed Bid Form.
- Copies of all relevant credentials and/or certifications necessary to perform the Work.
- Other items as required by the RFP.

### 5.3 Health and Safety

The primary objectives of the health and safety program are to protect personnel onsite, to comply with applicable health and safety regulations, and to minimize health and safety liabilities. The Subcontractor shall comply with the general requirements identified in ERM's site-specific HASP as well as the health and safety provisions in the Subcontractor's provided HASP. The Subcontractor will conduct all work in conformance with the site-specific HASP prepared by ERM and the standard health and safety requirements of the subcontractor. This includes, but is not limited to, the following items.

- Onsite personnel are required to have completed 40-hour HAZWOPER, 8-hour HAZWOPER refresher training that comply with 29 CFR 1910.120.
- 25% of onsite personnel are required to have a current certification for First Aid and CPR.
- Attend a daily 10- to 15-minute operations meeting with ERM held in the field prior to beginning work each day. The meeting will be to address site safety issues and coordinate planned activities.

The Contractor shall provide PPE for its employees working onsite. The work is expected to be performed in modified Level D PPE (hard hat, hearing protection, safety glasses, steel-toed boots, sleeved shirts, gloves, and work pants), but the Contractor should be prepared to upgrade to Level C PPE if conditions change. The Contractor shall provide air monitoring equipment for sampling the air in the breathing zone per the requirements of their site-specific HASP.

The Contractor will submit JHAs to the ERM project manager for health and safety review and acceptance at least 1 week prior to mobilization. The ERM project manager must accept JHAs prior to mobilization.

### 5.4 Bidding Schedule

The following dates and times shall be adhered to unless modified in writing by ERM.

- Deadline for submitting questions: 5:00 p.m. EST, **October 15, 2020**
- Deadline for submission of Bids: 5:00 p.m. EST, **October 21, 2020**

### 5.5 Pre-Bid Meeting

Should the subcontractor wish to perform a site walk prior to submission of bids, please contact Liz Stieber ([liz.stieber@erm.com](mailto:liz.stieber@erm.com), 248.417.3589) to request a date and time.

### 5.6 Bid Questions

The procedure for requesting supplemental information and responses to questions formulated during the bidding process shall be as follows:

- All questions should be emailed to [liz.stieber@erm.com](mailto:liz.stieber@erm.com).
- All questions will be answered to all Bidders. A compilation of all Bidder's questions will be issued to all Bidders as an addendum to the RFP.

### 5.7 Bid Submission

Please return a complete proposal to [liz.stieber@erm.com](mailto:liz.stieber@erm.com) by 5:00 p.m. EST, October 15, 2020.

Bids received after the deadline for submission of Bids will be considered non-responsive. It is Bidder's sole responsibility to ensure that its Bid is received by all parties by or before the deadline for submission of Bids. The Owner reserves the right to accept or reject any or all Bids.

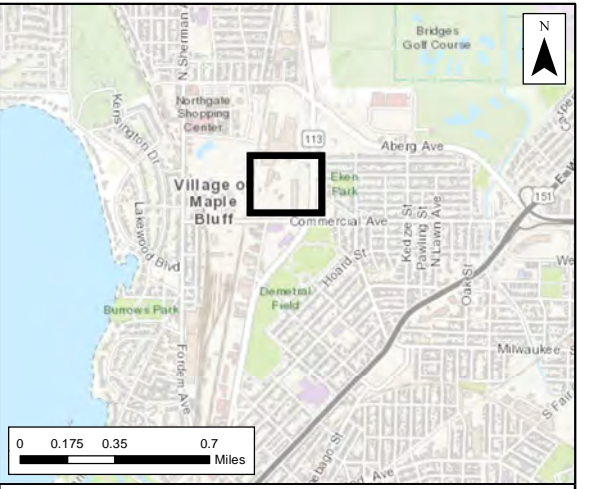
## ATTACHMENTS

- A SOIL BORING LOGS & LABORATORY REPORTS *(not included)*
- B DRAWINGS
- C CITY OF MADISON DISCHARGE PERMIT *(not included)*
- D BID FORM LABORATORY REPORTS *(not included)*
- E ERM SUBSURFACE CLEARANCE PROCEDURES *(not included)*

## **Attachment B**

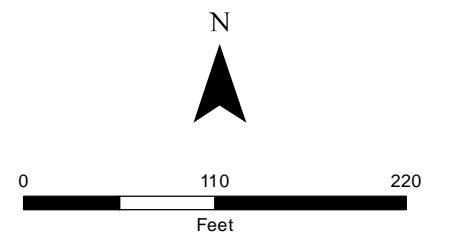
Drawings



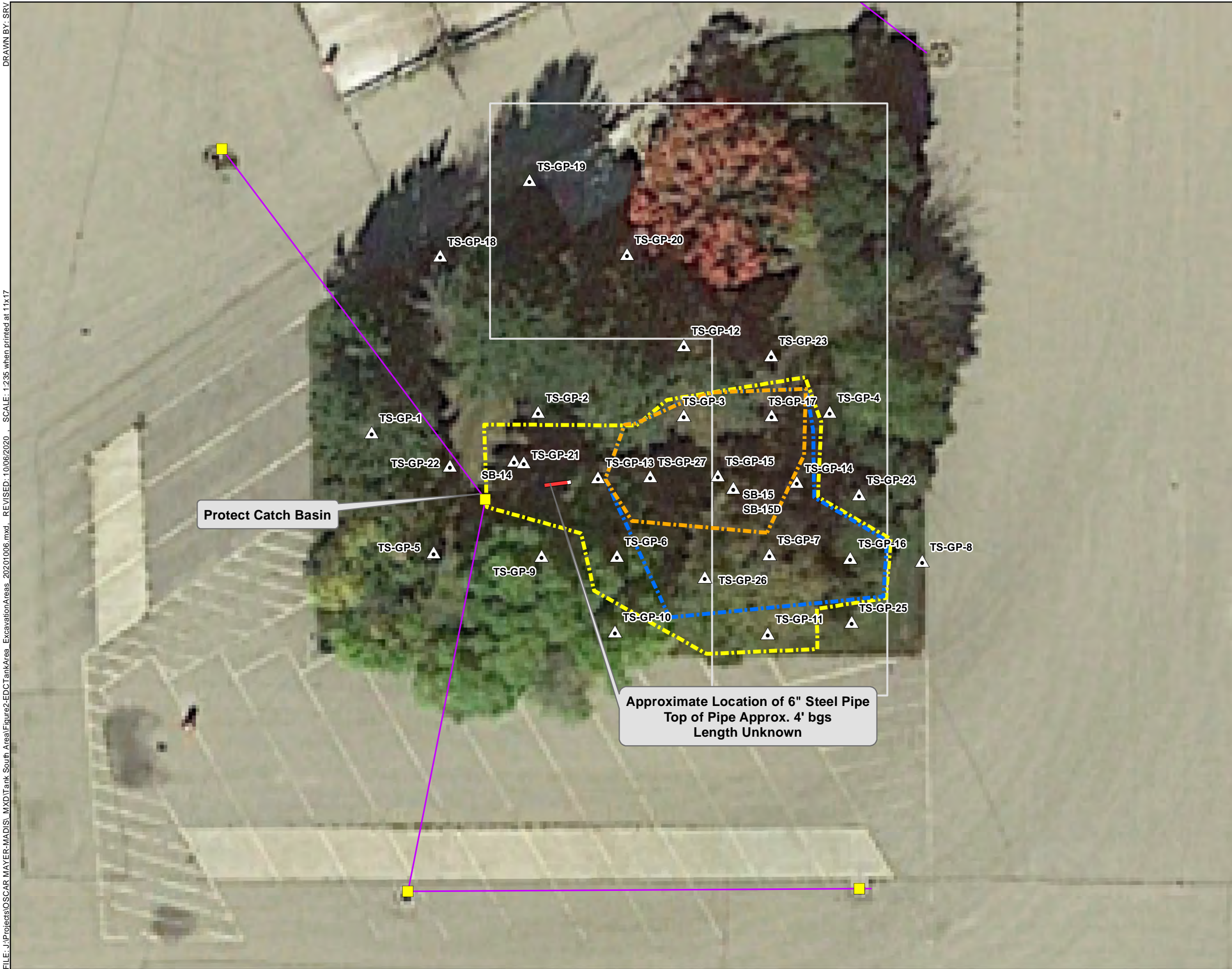


- Legend**
- Sanitary Sewer Line (Approximate)
  - Storm Sewer Line (Approximate)
  - Water Line (Approximate)
  - Former Building Foundation
  - 910 Mayer Properties (Main Site)

Notes:

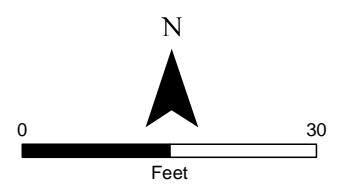


**Figure 1**  
**Existing Conditions Map**  
**EDC Tank Area**  
 910 Mayer LLC  
 910 Mayer Avenue  
 Madison, Wisconsin



- Legend**
- ▲ Geoprobe Boring Location
  - Stormwater Drain
  - Approximate Location 6" Steel Pipe
  - Storm Sewer Line (Approximate)
  - Former Building Foundation
  - ▭ 0-5 Ft. Remediation Area (2,879 sq. ft.)
  - ▭ 5-10 Ft. Remediation Area (1,829 sq. ft.)
  - ▭ 10-14 Ft. Remediation Area (918 sq. ft.)

Notes:  
1. Google Earth, 10/3/2018



**Figure 2**  
**Excavation Areas Map**  
**EDC Tank Area**  
910 Mayer LLC  
910 Mayer Avenue  
Madison, Wisconsin

---

**APPENDIX D      INJECTANT SAFETY DATA SHEETS**

# SAFETY DATA SHEET

## Anaerobic BioChem (ABC)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Anaerobic BioChem  
**GENERAL USE:** Bioremediation of halogenated organics and metals

**MANUFACTURER:**

**Redox Tech, LLC**  
200 Quade Drive  
Cary, NC 27513  
919-678-0140

**EMERGENCY TELEPHONE:**

Within USA and Canada: 1-800-424-9300  
+1 703-527-3887 (collect calls accepted)

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Product is generally recognized as safe. May cause irritation exposure to eyes. Long term contact to skin may cause some drying and minor irritation.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

Proprietary mixture of fatty acids, glycerol, lactates and dipotassium phosphate.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush with water for up to 15 minutes. If irritation persists, seek medical attention.

**SKIN:** Rinse with water. Irritation is unlikely, but if irritation occurs or persists, seek medical attention.

**INGESTION:** Generally safe to ingest but not recommended.

**INHALATION:** No first aid required.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Deluge with water

**FIRE/EXPLOSION HAZARDS:** Product is combustible only at temperatures above 600C

**FIRE FIGHTING PROCEDURES:** Use flooding with plenty of water, carbon dioxide or other inert gasses. Wear full protective clothing and self-contained breathing apparatus. Deluging with water is the best method to control combustion of the product.

**FLAMMABILITY LIMITS:** non-combustible

**SENSITIVITY TO IMPACT:** non-sensitive

**SENSITIVITY TO STATIC DISCHARGE:** non-sensive

## 6. ACCIDENTAL RELEASE MEASURES

Confine and collect spill. Transfer to an approved DOT container and properly dispose. Do not dispose of or rinse material into sewer, stormwater or surface water. Discharge of product to surface water could result in depressed dissolved oxygen levels and subsequent biological impacts.

## 7. HANDLING AND STORAGE

**HANDLING:** Protective gloves and safety glasses are recommended.

**STORAGE:** Keep dry. Use first in, first out storage system. Keep container tightly closed when not in use. Avoid contamination of opened product. Avoid contact with reducing agents.

## 8. EXPOSURE CONTROLS – PERSONAL PROTECTION

### EXPOSURE LIMITS

Chemical Name	ACGIH	OSHA	Supplier
ABC	NA	NA	NA

**ENGINEERING CONTROLS:** None are required

### PERSONAL PROTECTIVE EQUIPMENT

**EYES and FACE:** Safety glasses recommended

**RESPIRATOR:** none necessary

**PROTECTIVE CLOTHING:** None necessary

**GLOVES:** rubber, latex or neoprene recommended but not required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor:	none to mild pleasant organic odor
Appearance:	clear to light amber
Auto-ignition Temperature	Non-combustible
Boiling Point	>600 C
Melting Point	NA
Density	1.15 gram/cc
Solubility	infinite
pH	7-9

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Do not contact with strong oxidizers

**STABILITY:** product is stable

**POLYMERIZATION:** will not occur

**INCOMPATIBLE MATERIALS:** strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:**

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

A: General Product Information

Acute exposure may cause mild skin and eye irritation.

B: Component Analysis - LD50/LC50

No information available.

B: Component Analysis - TDLo/LDLo

TDLo (Oral-Man) none

### Carcinogenicity

A: General Product Information

No information available.

B: Component Carcinogenicity

Product is not listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Epidemiology

No information available.

### Neurotoxicity

No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Discharge to water may cause depressed dissolved oxygen and subsequent ecological stresses

### Environmental Fate

No potential for food chain concentration

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Material is not considered hazardous, but consult with local, state and federal agencies prior to disposal to ensure all applicable laws are met.

**14. TRANSPORT INFORMATION**

NOTE: The shipping classification information in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under I.M.O., I.C.A.O. (I.A.T.A.) and 49 CFR to assure regulatory compliance.

**US DOT Information**

Shipping Name: Not Regulated

Hazard Class: Not Classified

UN/NA #: Not Classified

Packing Group: None

Required Label(s): None

**50<sup>th</sup> Edition International Air Transport Association (IATA):**

Not hazardous and not regulated

**INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG)**

Material is not regulated under IMDG

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA TITLE III**

SECTION 311 No Hazard for Immediate health Hazard

SECTION 312 No Threshold Quantity

SECTION 313 Not listed

**CERCLA** NOT REGULATED UNDER CERCLA

**TSCA** NOT REGULATED UNDER TSCA

**CANADA (WHIMS):** NOT REGULATED

**16. OTHER INFORMATION**

HMIS:

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	E

E: Safety Glasses, gloves

# Safety Data Sheet

**Shaw Environmental, Inc.**  
**17 PRINCESS ROAD**  
**LAWRENCEVILLE, N.J. 08648**  
**(609) 895-5340**

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Material Name: DHC microbial consortium (RTB-1 SDC-9) MSDS #: ENV 1033

Date Prepared: 10/06/2003 CAS #: N/A (Not Applicable)

Prepared By: Simon Vainberg Formula #: N/A

Material Description: Non-hazardous, naturally occurring non-altered anaerobic microbes and enzymes in a water-based medium.

**24 HOUR EMERGENCY RESPONSE PHONE NUMBER (800)424-9300**

## SECTION 2 - INGREDIENTS

Components	%	OSHA PEL	ACGIH TLV	OTHER LIMITS
Non-Hazardous Ingredients	100	N/A	N/A	N/A

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 100° C (water) Specific Gravity (H<sub>2</sub>O = 1): 0.9 - 1.1

Vapor Pressure @ 25° C: 24 mm Hg (water) Melting Point: 0° C (water)

Vapor Density: N/A Evaporation Rate (H<sub>2</sub>O = 1): 0.9 - 1.1

Solubility in Water: Soluble Water Reactive: No

pH: 6.0 - 8.0

Appearance and Odor: Murky, yellow water. Musty odor.



#### **SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point: N/A

Flammable Limits: N/A

Extinguishing Media: Foam, carbon dioxide, water

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

#### **SECTION 5 - REACTIVITY DATA**

Stability: Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): Water-reactive materials

Hazardous Decomposition Byproducts: None

#### **SECTION 6 - HEALTH HAZARD DATA**

##### HEALTH EFFECTS

The effects of exposure to this material have not been determined. Safe handling of this material on a long-term basis will avoid any possible effect from repetitive acute exposures. Below are possible health effects based on information from similar materials. Individuals hyper allergic to enzymes or other related proteins should not handle.

Ingestion: Ingestion of large quantities may result in abdominal discomfort including nausea, vomiting, cramps, diarrhea, and fever.

Inhalation: Hypersensitive individuals may experience breathing difficulties after inhalation of aerosols.

Skin Absorption: N/A

MATERIAL SAFETY DATA SHEET FOR DHC consortium (RTB-1)

PAGE 3 OF 4

October 6, 2003

Skin Contact: May cause skin irritation. Hypersensitive individuals may experience allergic reactions to enzymes.

Eye Contact: May cause eye irritation.

FIRST AID

Ingestion: Get medical attention if allergic symptoms develop (observe for 48 hours). Never give anything by mouth to an unconscious or convulsing person.

Inhalation: Get medical attention if allergic symptoms develop.

Skin Absorption: N/A

Skin Contact: Wash affected area with soap and water. Get medical attention if allergic symptoms develop.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes using an eyewash fountain, if available. Get medical attention if irritation occurs.

**NOTE TO PHYSICIANS:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this material may have occurred.

**SECTION 7 - SPILL AND LEAK PROCEDURES**

Reportable quantities (in lbs of EPA Hazardous Substances): N/A

Steps to be taken in case of spill or release: No emergency results from spillage. However, spills should be cleaned up promptly. All personnel involved in the cleanup must wear protective clothing and avoid skin contact. Absorb spilled material or vacuum into a container. After clean-up, disinfect all cleaning materials and storage containers that come in contact with the spilled liquid.

Waste Disposal Method: No special disposal methods are required. The material may be sewerred, and is compatible with all known biological treatment methods. To reduce odors and permanently inactivate microorganisms, mix 100 parts (by volume) of DHC consortium with 1 part (by volume) of bleach. Dispose of in accordance with local, state and federal regulations.

MATERIAL SAFETY DATA SHEET FOR DHC consortium (RTB-1)  
PAGE 4 OF 4  
October 6, 2003

## **SECTION 8 - HANDLING AND STORAGE**

Hand Protection: Rubber gloves.

Eye Protection: Safety goggles with side splash shields.

Protective Clothing: Use adequate clothing to prevent skin contact.

Respiratory Protection: Surgical mask.

Ventilation: Provide adequate ventilation to remove odors.

Storage & Handling:

Material may be stored for up to 3 weeks at 2-4° C without aeration.

Other Precautions: An eyewash station in the work area is recommended.

---

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Shaw Environmental, Inc. MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

---

**APPENDIX E      WPDES GENERAL PERMIT NOTICE OF INTENT**

**ERM has over 160 offices across the following  
countries and territories worldwide**

*The business of sustainability*



State of Wisconsin  
 Department of Natural Resources  
 Bureau of Water Quality  
 PO Box 7921, Madison WI 53707-7921  
[dnr.wi.gov](http://dnr.wi.gov)

**Notice of Intent (NOI)**  
**Contaminated Groundwater from Remedial**  
**Action Operations**  
 WPDES Permit No. WI-0046566-07-0  
 Rev. 06/2018

**Notice:** Pursuant to chs. NR 200 and 205, Wis. Adm. Code, this notice of intent (NOI) is required to request coverage under the Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No. WI-0046566-07-0 for discharges of contaminated groundwater to waters of the state of Wisconsin. Failure to complete this form in its entirety may result in a returned NOI or a denied NOI. Personal information collected will be used for administrative purposes and may be provided to requestors to the extent required by Wisconsin Open Records law [ss. 19.31-19.39, Wis. Stats.].

<b>SECTION I: FACILITY/PROJECT LOCATION INFORMATION</b>			
Facility/Project Name 910 Mayer		Facility Mailing Address (i.e. PO Box, Street, or Route)	
Facility/Project Physical Address (i.e. Street or Route) 910 Oscar Ave		Madison	
Dane County	Facility Phone No.	Facility Fax No.	Facility Email Address
<b>SECTION II: FACILITY CONTACT INFORMATION</b>			
<b>Facility Operator/Plant Manager</b> Josh Conners		Title Project Manager	
Rabin		Contact Mailing Address (i.e. PO Box, Street, or Route) 910 Oscar Ave	
City, State, Zip Code Madison, WI 53704		Contact Phone No. 608.575.6531	Alternative Phone No.
Contact Fax No.		Contact Email Address josh.conners@rabin.com	
<b>Discharge Monitoring Contact Name</b> David de Courcy-Bower		Title Partner	
Company Environmental Resources Management, Inc.		Contact Mailing Address (i.e. PO Box, Street, or Route) 700 West Virginia St. Suite 601	
City, State, Zip Code Milwaukee, WI 53204		Contact Phone No. (414) 977 4705	Alternative Phone No.
Contact Fax No.		Contact Email Address david.decourcybower@erm.com	
<b>Authorized Representative Name</b> Robert Hassler		Title	
Company 910 Mayer, LLC		AR Mailing Address (i.e. PO Box, Street, or Route) 15 Reservoir Road	
City, State, Zip Code White Plains, NY 10603		AR Phone No. (914) 719-6076	Alternative Phone No.
AR Fax No.		AR Email Address rhassler@reichbrothers.com	

SECTION III: FACILITY OWNER MAILING ADDRESS (if different from Authorized Representative)		
Facility Owner Name	Title	
Parent Company	Owner Mailing Address (i.e. PO Box, Street, or Route)	
City, State, Zip Code	Owner Phone No.	Alternative Phone No.
Contact Fax No.	Contact Email Address	

SECTION IV: DISCHARGE CHARACTERIZATION					
Type of Wastewater (check all that apply):	Discharge Frequency (e.g. Annual, Monthly, Daily)	Average Daily Flow (gallons of water discharged per day)	Type of Wastewater (check all that apply):	Discharge Frequency (e.g. Annual, Monthly, Daily)	Average Daily Flow (gallons of water discharged per day)
<input type="checkbox"/> Treated wastewater from groundwater remediation project			<input type="checkbox"/> Cleaning or decontamination wastewaters from the cleaning of treatment equipment for a remediation project		
<input checked="" type="checkbox"/> Infiltration or injection of a substance or remedial material for remediation of soil or groundwater	Annual	5,000 to 10,000	<input type="checkbox"/> Other (describe type)		
<input type="checkbox"/> Treated wastewater from dewatering of construction trenches or pits			<input type="checkbox"/> Other (describe type)		
<input type="checkbox"/> Landspreading or spray irrigation of agricultural chemical contaminated wastewater			<input type="checkbox"/> Other (describe type)		

SECTION V: ELIGIBILITY CHECKLIST
<p>1. Is the wastewater discharged from and/or to properties within tribal lands (i.e. land owned by or held in trust for the tribes and land within recognized reservation boundaries)?</p> <p><input type="checkbox"/> Yes. <b>Your discharge is not eligible for this General Permit.</b> <i>If all discharges from your facility go to or come from properties in tribal lands, you do not require regulation under a WPDES discharge permit. Therefore, skip the rest of the NOI and sign the last page. We will remove you from our tracking system. The Tribe or United States</i></p>

*Environmental Protection Agency (EPA) regulates discharges within tribal lands.*

No. **Proceed to question 2.**

2. Is the wastewater discharged to a Publicly Owned Treatment Works (i.e. sanitary sewer)? A septic system is not considered a sanitary sewer.

Yes. **Your discharge is not eligible for this General Permit.** *If all discharges from your facility go to a sanitary sewer, you do not require regulation under a WPDES discharge permit. Therefore, skip the rest of the NOI and sign the last page. We will remove you from our tracking system. If at some point in the future operations at your facility result in a discharge, you will need to inform the Department. If only some or no discharges from your facility go to the sanitary sewer, please proceed to question 3.*

No. **Proceed to question 3.**

3. Are any of the following wastewaters discharged or mixed with the above wastewaters to surface water or groundwater: Contact or noncontact cooling water, water from boiler cleaning operations, air compressor condensate contaminated with oil and grease, softener regeneration backwash, municipal wastewater, domestic wastewater, or process wastewaters from the production of any material or product, or other wastewater not otherwise cover by this general permit?

Yes. **Your discharge is not eligible for this General Permit.** *Skip the rest of the NOI and complete the certification on last page. Contact the Department to obtain application for an individual WPDES discharge permit.*

No. **Proceed to question 4.**

4. What is the receiving water for your discharge? If your facility has more than one outfall, indicate in the space provided which outfalls go to groundwater and which go to surface waters. (*check all that apply*)

**Groundwater Discharge** (*any wastewater that is allowed to infiltrate or seep into the soil from a permeable surface including but not limited to any drain field, agricultural field, ditch, swale, depression, trench or pit, adsorption pond, infiltration pond, rain garden, prairie, or vegetative area that may impact groundwater quality*). **If you will only be discharging to groundwater, please proceed to question 5.**

**Outfall #(s):**

**Wetland Discharge** (*any discernible, confined and discrete conveyance system including but not limited to any pipe, ditch, channel, tunnel, conduit, swale, or storm sewer that will carry wastewater to a wetland. Wetlands mean an area where water is at, near or above the land surface long enough to be capable of supporting aquatic or hydrophytic vegetation and which has soils indicative of wet conditions*). **If you will only be discharging to wetlands, please proceed to question 5.**

**Outfall #(s):**

**Note:** *The Department will need to determine if your discharge would cause significant adverse impacts to wetlands*

**Surface Water Discharge** (*any discernible, confined and discrete conveyance system including but not limited to any pipe, ditch, channel, tunnel, conduit, swale, or storm sewer that will carry wastewater to a creek, stream, pond, marsh, bay, reservoir, river, lake, or other surface water within the state of Wisconsin*). **Proceed to question 4A.**

**Outfall #(s):**

A. What is the name(s) of the surface water your discharge enters?

**Proceed to question 4B.**

B. What is the Water Body Identification Code (WBIC) of the surface water your discharge enters?

**Proceed to question 4C.**

**Note:** The WBIC for a specific surface water can be found at: <http://dnr.wi.gov/water/waterSearch.aspx>.

C. Is the discharge directly to a surface water classified as an outstanding or exceptional resource waters as defined in ch. NR 102, Wis. Adm. Code.?

Yes. **Your discharge is not eligible for this General Permit.** *Skip the rest of the NOI and complete the certification on last page. Contact the Department to obtain application for an individual WPDES discharge permit.*

No. **Proceed to question 4D.**

D. Is the discharge directly to a surface water classified as a public water supply (i.e. Lake Superior, Lake Michigan and Lake Winnebago) in ch. NR 104, Wis. Adm. Code?

Yes. **Your discharge is not eligible for this General Permit.** *Skip the rest of the NOI and complete the certification on last page. Contact the Department to obtain application for an individual WPDES discharge permit.*

No. **Proceed to question 5.**

5. Does the discharge contain water treatment additives (i.e. biocides such as microbicides, fungicides, molluscicides, chlorine, etc.) or water quality conditioners (i.e. scale and corrosion inhibitors, pH adjustment chemicals, oxygen scavengers, conditioning agents, water softening compounds, etc.) that may enter surface water or groundwater without receiving wastewater treatment or that are used in a treatment process but are not expected to be removed by wastewater treatment?

Yes. **For each additive used, please fill out and attach an Additive Review Worksheet.** *Additive Review Worksheets must be completed to receive coverage under this general permit. The Additive Review Worksheet is not required for additives with active ingredients consisting of chlorine, hypochlorite, sulfuric acid, hydrochloric acid or sodium hydroxide. Also, chemicals used in an industrial process generating wastewater that eventually receives treatment or chemicals added as part of wastewater treatment process (such as ferric chloride, alum or pickle liquor) are not considered water treatment additives and need not require an additive review. **Proceed to question 6.***

No. **Proceed to question 6.**

6. Will chlorine-based compounds be used to control the growth of micro-organisms in the treatment system or used to decontaminate the treatment system after completion of the remediation project?

Yes. **Proceed to question 6A.**

No. **Proceed to question 7.**

A. Will chemicals be used to dechlorinate the wastewater prior to discharge to surface water?

Yes. **The wastewater will be dechlorinated with chemicals. Proceed to question 7.**

No. **The wastewater will not be dechlorinated with chemicals. Proceed to question 7.**



7. Is a discharge management plan attached to this NOI that includes all the information necessary from Section 3 of the permit?

- Yes. **Proceed to question 8.**  
 No. **This form will be considered incomplete and returned to you.**

8. Has the groundwater at the site been analyzed for contaminants and are the results attach to the discharge management plan?

- Yes. **Proceed to question 9.**  
 No. **This form will be considered incomplete and returned to you.**

9. If a treatment facility is required for the treatment of contaminated groundwater, have the plans and specifications been submitted to or approved by the department under s. 281.41, Wis. Stats., and ch. NR 108, Wis. Adm. Code?

- Yes. **Proceed to Section VI.**  
 No. **Please contact wastewater plan review staff to find out how to get the plans approved. Proceed to Section VI.**

**Note:** Department wastewater plan review staff can be found here:

<http://dnr.wi.gov/topic/wastewater/planreviewers.html>.

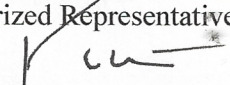
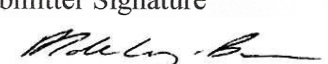
Additionally, department plan submittal requirements can be found here:

<http://dnr.wi.gov/topic/wastewater/AdequateSubmittal.html>.

**SECTION VI: CERTIFICATION**

*This form must be signed by a responsible executive or municipal officer, manager, partner or proprietor as specified in s. 283.37(3), Wis. Stats., or a duly authorized representative of the officer, manager, partner or proprietor that has been delegated signature authority pursuant to s. NR 205.07(1)(g)2., Wis. Adm. Code. To delegate signatory authority to a duly authorized representative, please submit a Delegation of Signature Authority (DSA) form (Form 3400-220).*

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Representative Name Robert Hassler	Title Reich Brothers, LLC - agent
Authorized Representative Signature 	Date Signed 11/20/20
Submitter Name (If different from Authorized Representative) David De Courcy Bauer	Title Partner
Submitter Signature 	Date Signed 11/20/20

State of Wisconsin  
Department of Natural Resources  
Bureau of Water Quality  
PO Box 7921, Madison WI 53707-7921  
[dnr.wi.gov](http://dnr.wi.gov)

**Notice of Intent (NOI)**  
**Contaminated Groundwater from Remedial**  
**Action Operations**  
WPDES Permit No. WI-0046566-07-0  
Rev. 06/2018

Please print and sign this certification page. Scan and email the completed form, certification page and any other supporting information to the department regional general permit reviewer at least thirty (30) business days before the expected start date of discharge. A listing of the general permit reviewers for each region with mailing addresses and phone numbers can be found at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. Please scroll to the “How to Apply” section and click the department region that the discharge is located in.

---

Argentina	The Netherlands
Australia	New Zealand
Belgium	Norway
Brazil	Panama
Canada	Peru
Chile	Poland
China	Portugal
Colombia	Puerto Rico
France	Romania
Germany	Russia
Hong Kong	Singapore
India	South Africa
Indonesia	South Korea
Ireland	Spain
Italy	Sweden
Japan	Switzerland
Kazakhstan	Taiwan
Kenya	Thailand
Malaysia	UAE
Mexico	UK
Mozambique	US
Myanmar	Vietnam

**ERM's Milwaukee Office**

700 W. Virginia, Ste. 601  
Milwaukee, WI 53204

T: 1.414.289.9505

F: 1.414.289.9552

[www.erm.com](http://www.erm.com)