

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 Public 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.

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

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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	First	MI	Organization/ Business Name		
Bach	Robert		P2 Development Company LLC		
Mailing Address			City	State	ZIP Code
524 Technology Way			Saukville	WI	53080
Phone # (include area code)		Fax # (include area code)		Email	
(262) 377-7259				robert3bach@gmail.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	First	MI	Organization/ Business Name		
Peterson	Travis	W	Kapur, Inc.		
Mailing Address			City	State	ZIP Code
7711 N. Port Washington Rd.			Milwaukee	WI	53217
Phone # (include area code)		Fax # (include area code)		Email	
(414) 751-7279				tpeterson@kapurinc.com	

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Peterson	Travis	W	Kapur, Inc.		
Mailing Address			City	State	ZIP Code
7711 N. Port Washington Rd.			Milwaukee	WI	53217
Phone # (include area code)		Fax # (include area code)		Email	
(414) 751-7279				tpeterson@kapurinc.com	

Attorney (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)		Fax # (include area code)		Email	

Property Owner (if different from requester)

Contact Last Name	First	MI	Organization/ Business Name		
Mailing Address			City	State	ZIP Code
Phone # (include area code)		Fax # (include area code)		Email	

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Section 2. Property Information

Property Name MERCURY MARINE PLANT NO 1 FMR		FID No. (if known) 246004770	
BRRTS No. (if known) 02-46-588930		Parcel Identification Number 13-050-19-01-001	
Street Address N49 W6337 Western Road		City Cedarburg	State ZIP Code WI 53012
County Ozaukee	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of	Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 1.91

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: 8/1/22

Reason:

Earthwork and soil excavation schedule w/ contractors

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).

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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.

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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.

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/lgu.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.

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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: _____ uploaded to RR database

Phase II Environmental Site Assessment Report - Date: _____ uploaded to RR database

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: Summary of Environmental Conditions (uploaded to RR database)

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): 11/30/21

No

Note: The Notification for Hazardous Substance Discharge Form - Non-Emergency Only (Form 4400-225) is accessible through the RR Program Submittal Portal application. Directions for using the form and the Submittal Portal application are available on the [Submittal Portal web page](#).

Section 7. Certification by the Person who completed this form

I am the person submitting this request (requester)

I prepared this request for: P2 Development Company LLC
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.

Travis Peterson
Signature
Travis Peterson

July 27, 2022
Date Signed

Economic Development Manager

Title

(414) 751-7279

Telephone Number (include area code)

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

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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>

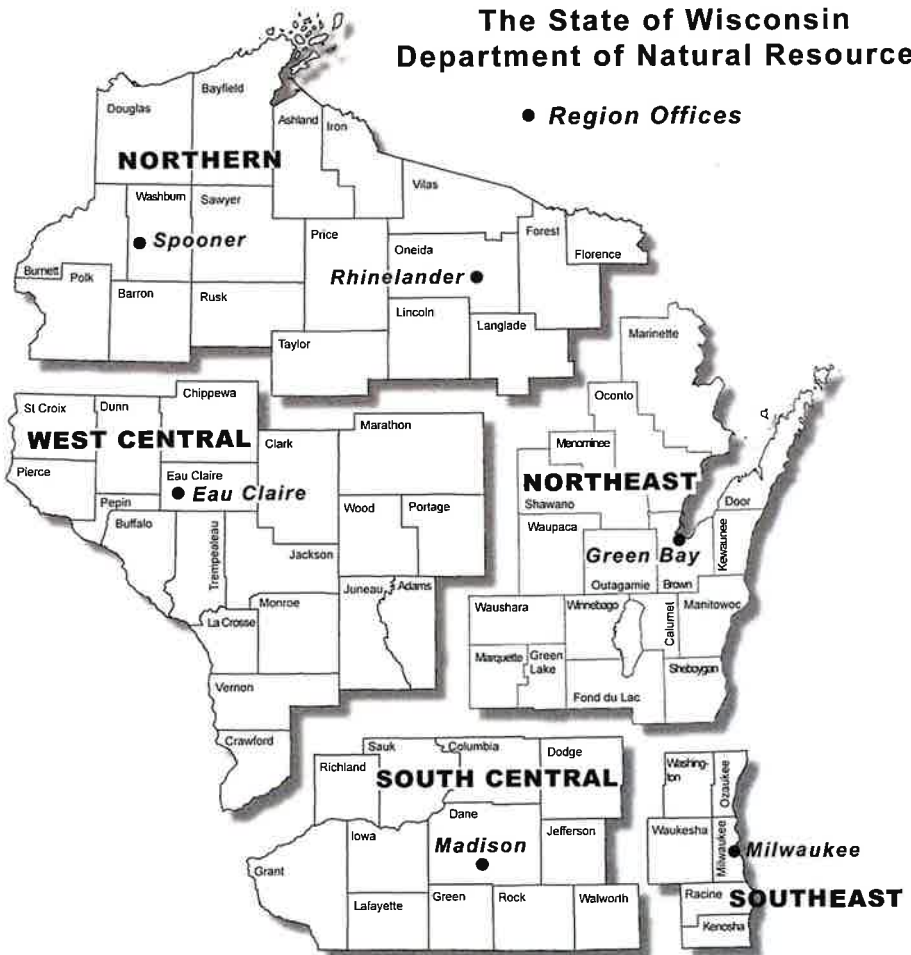
DNR NORTHERN REGION
Attn: RR Program Assistant
Department of Natural Resources
223 E Steinfest Rd Antigo, WI 54409

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
Milwaukee DNR Office
1027 West St. Paul Ave
Milwaukee WI 53233

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		

**Remediation Site
Hazardous Waste Determination**

Notice: This voluntary form is intended as an aid for use by Generators and Responsible Parties in determining whether *contaminated soil or groundwater and wastes* encountered or generated during the remediation of contaminated sites in Wisconsin are or would be listed or characteristic hazardous wastes subject to regulation under ch. 291, Wis. Stats. and chs. NR 600 to 690, Wis. Adm. Code. There are no penalties for failure to provide information requested. Personally identifiable information collected will be used for program management. Wisconsin's Open Records law requires the Department to provide this information upon request [ss. 19.31 - 19.69, Wis. Stats.].

Listing determinations are often particularly difficult in the remedial context because the listings are generally identified by the sources of the hazardous wastes rather than the concentrations of various hazardous constituents. Therefore, analytical testing alone, without information on a waste's source, will not generally produce information that will conclusively indicate whether a given waste is a listed hazardous waste. Generators and Responsible Parties should use available site information such as material safety data sheets (MSDS's), manifests, vouchers, bills of lading, sales and inventory records, accident reports, spill reports, inspection reports, and other available information. It may also be necessary to conduct interviews of current or former personnel who would have knowledge of the processes and hazardous materials used including waste handling or past spills in an effort to ascertain the sources of wastes or contaminants.

Where a person makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not exhibit a characteristic of hazardous waste, RCRA requirements do not apply.

Generator Information

Generator's Name P2 DEVELOPMENT LLC	Preparer's Name TRAVIS PETERSON, KAPUR, INC.
Address 524 TECHNOLOGY WAY	Address 7711 N. PORT WASHINGTON RD.
City, State and ZIP Code SAUKEVILLE, WI 53080	City, State and ZIP Code MILWAUKEE, WI 53217
Telephone Number 262-377-7259	Telephone Number 414-751-7279

Site Information

Site Name FORMER MERCURY MARINE	Other name(s) site is known by WILCO PUMP
Address N49W6337 WESTERN RD.	County OZAUKEE
Located in the <u>City</u> Town or Village ZIP Code CEDARBURG	

Hazardous Waste Determination Information Reviewed

Listed Hazardous Waste Determination

Manifests reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Vouchers reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Bills of lading reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Sales and inventory records reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available
Material safety data sheets <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Accident reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> None Found <input type="checkbox"/> None Available
Spill reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input checked="" type="checkbox"/> None Available	Inspection reports reviewed <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> None Found <input type="checkbox"/> None Available
DNR's case files reviewed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input type="checkbox"/> None Available	Interviewed current and/or former employees who are likely to know about the use and/or disposal of the chemical or waste of concern (not just managers). <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None Found <input type="checkbox"/> None Available

Hazardous Waste Determination Information Reviewed (continued)

Other information considered (provide description) Yes No None Found None Available

- Former Industrial/Manufacturing operations utilized TCE as part of a vapor degreasing system. The TCE was stored/contained within a holding vessel part of the degreaser system no longer onsite, abandoned or removed sometime ago.
- Soil sample analytical results indicate none of the samples collected from the targeted source area, for this waste profile, exceeded the 'Contained Out' Value of 8.4 mg/kg for TCE at SB-3.
- TCLP analysis of SB-4 (designated for disposal at Sub-C receiving facility) revealed a concentration of 0.15 mg/L, well below the 'Contained Out' value of 0.7 mg/L. TCLP analysis of SB-3 would likely reveal a lower concentration or below detection limits.
- Waste code F001, estimated 600-700 tons.

Characteristic Hazardous Waste Determination

Identified location(s)	Testing results
Soil sample collected from below former degreasing system/holding vessel.	<ul style="list-style-type: none"> • TCE < 0.023 mg/kg, 2.5 mg/kg, 1.0 mg/kg • TCLP 0.15 mg/L (SB-4) • Below LDR of 60 ppm for TCE • Less than 10x Universal Treatment Standard of 6 mg/kg for TCE

Certification

I certify that the information documented above in the "Information reviewed to make a hazardous waste determination" section was developed and used as part of a good faith effort to make a hazardous waste determination. Reasonable diligence was used in collecting the information, evaluating the information, and using the compiled information. I certify that this document is true and correct to the best of my knowledge, and that I have authority to make this certification.

Name and Title

Travis Peterson, Associate

Signature

Travis Peterson

Date

July 22, 2022

SUMMARY OF CURRENT ENVIRONMENTAL CONDITIONS

FORMER MERCURY MARINE PLANT No. 1

N49W6337 Western Avenue & N47W6300 Jackson Street, Cedarburg, Wisconsin 53012 | May 2022



Prepared For:

JB Properties 8, LLC
&
Mr. Robert Bach
P2 Development Company
524 Technology Way
Saukville, Wisconsin 53080

Prepared By:

Kapur Inc.



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ATTACHMENT A – PROPOSED SITE PLAN FIGURE

P2 Development – Redevelopment Plan

ATTACHMENT B – SAMPLING LOCATION FIGURES

- Figure 1 Existing Conditions – Sampling Location Overlay
Figure 2 Proposed Redevelopment Plan – Sampling Location Overlay

ATTACHMENT C – ANALYTICAL DATA TABLES

- Table A.1 Soil Analytical Results
Table A.1.i TCLP Soil Analytical Results
Table A.2 Groundwater Analytical Results
Table A.4 Sub-slab Vapor Analytical Results

LIST OF ABBREVIATIONS

bgs	Below Ground Surface
CVOC	Chlorinated Volatile Organic Compounds
DCE	1,2-Dichloroethene
DRO	Diesel Range Organics
ERP	Environmental Repair Program
ESA	Environmental Site Assessment
FIM	Fire Insurance Map
ft	feet
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
LDL	Laboratory Detection Limit
MDL	Method Detection Limit
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MRL	Method Reporting Limit
MSL	Mean Sea Level
PAH	Polynuclear Aromatic Hydrocarbons
PID	Photoionization Detector
ppb	Parts Per Billion
ppm	Parts Per Million
ppmv	Parts Per Million by Volume
RCL	Residual Contaminant Level
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Concern
SI	Site Investigation
SIWP	Site Investigation Work Plan
TCE	Trichloroethene
TCLP	Toxicity Characteristic Leachate Procedure
ug/l	micrograms per liter
USGS	United States Geological Survey
VC	Vinyl Chloride
VOC	Volatile Organic Compound
WAC	Wisconsin Administrative Code
WDNR	Wisconsin Department of Natural Resources

1.0 INTRODUCTION

This report provides a summary of the current environmental conditions at the Former Mercury Marine Plant No. 1 located at N49 W6337 Western Avenue and N47W6300 Jackson Street in the City of Cedarburg, Ozaukee County, Wisconsin (hereafter called the site) based on the results of the most recent environmental assessment activities conducted in 2022. Phase I and Phase II Environmental Site Assessment (ESA) reports were previously completed for the site by Kapur in 2021. The information contained in those ESA reports, as well as other prior reports by others along with correspondence from the WDNR have been referenced and incorporated within this report.

The WDNR maintains a file of information regarding this site on the Bureau for Remediation and Redevelopment Tracking System's (BRRTS) website. The WDNR recently assigned a BRRTS tracking number of 02-46-588930 for this Environmental Repair Program (ERP) site and the BRRTS file contains information regarding the discovery of contamination at this site approximately 35-40 years ago and their subsequent receipt of a Remedial Site Investigation Report in 1993. The file also includes an attachment of what the WDNR has indicated as "Relevant records from Drinking Water Program." The BRRTS system also indicates the WDNR is in receipt of Kapur's previously completed Phase I and Phase II ESA's.

1.1 Project Description

The Former Mercury Marine Plant No. 1 site is located at N49W6337 Western Avenue and N47W6300 Jackson Street in the Northeast 1/4 of the Northeast 1/4 of Section 34, Township 10N, Range 21E. The subject property consists of one (1) parcel with Tax Key ID Number: 13-050-19-01-001 totaling 12.93 acres. The site is located on the south side of Western Avenue approximately 370 feet west of the intersection of Western Avenue and Washington Avenue in the City of Cedarburg, Ozaukee County, Wisconsin.

As the WDNR is aware, P2 Development of Saukville is in the process of completing a residential-use brownfield redevelopment project at this former industrial site. The planned redevelopment activities for the Fox Run Project will involve the conversion of the approximate 13-acre former industrial site into a residential complex consisting of two connected multi-story apartment buildings with underground parking along the eastern portion of the site, multiple townhomes/rowhouses to be located throughout the northern and western portions of the site and single-family residential structures to be constructed at the southern portion of the property. The planned residential redevelopment of the site is expected to result in the creation of approximately

230 residential units within the project boundaries. The City of Cedarburg intends to construct a public street (an extension of Hanover Avenue) through the brownfield project site so as to connect Western Avenue and Jackson Street and the various residential structures will be serviced via the extension of Hanover Avenue and adjoining private drives/parking areas. The proposed future brownfield redevelopment of the site with the planned extension of Hanover Avenue was incorporated into numerous planning and future use documents created by the City of Cedarburg and the site was identified as a “smart growth” site in the City’s Smart Growth Plan as early as 2008.

In order to accommodate the proposed brownfield redevelopment contemplated by P2 Development, the City has re-zoned the site to accommodate the planned brownfield redevelopment residential usages encouraged by the City and has worked with the Developer to create a tax incremental financing district (TIF) to assist in the removal of the blighted conditions currently present of the site (the underutilized and outdated former industrial buildings) and to provide for the planned extension of Hanover Avenue which will benefit the City.

A copy of the proposed site plan for the residential redevelopment of this brownfield site and the extension of Hanover Avenue is attached to this report in Attachment A.

In an effort to provide all interested parties to this planned brownfield redevelopment with current information regarding the environmental conditions present at this site, Kapur has prepared this Summary of Current Environmental Conditions report which contains information regarding additional soil, groundwater and vapor sampling which was performed at the site in early 2022, prior to the recent acquisition of the site in May 2022 by the new landowner JB Properties 8, LLC.

The additional work at the site included the advancement of seven soil borings (which were converted to monitoring wells MW-20 through MW-26) in February 2022, the installation of two bedrock piezometers (PZ-23 and PZ-24, nested with MW-23 and MW-24 respectively) in March 2022, and the installation of sub-slab vapor sample points VP-1 through VP-12 in March 2022.

Soil samples were submitted for laboratory analysis of select soil samples obtained from MW-20 through MW-26 and groundwater samples were submitted for laboratory analysis from MW-20 through MW-26, PZ-23 & PZ-24 and MW-2 (aka MSB6). Vapor samples were submitted for laboratory analysis from sub-slab vapor sample points VP-1 through VP-12. The results of these findings have been evaluated in conjunction with prior environmental findings by Kapur and others to provide a generalized understanding of the current environmental conditions at the site as they relate to the proposed residential brownfield redevelopment of this site.

Figure 1 in Attachment A depicts the locations of soil borings, abandoned temporary monitoring wells, existing monitoring wells, piezometers and vapor point sampling locations overlain on a site survey figure that depicts the currently existing industrial buildings & former foundations/slabs, drives, parking lots, etc. at the redevelopment site.

Figure 2 in Attachment A depicts the locations of soil borings, abandoned temporary monitoring wells, existing monitoring wells, piezometers and vapor point sampling locations overlain on a figure depicting the planned future residential redevelopment of the site and the extension of Hanover Avenue.

A summary of the results of the recent soil, groundwater and vapor sampling efforts along with a discussion of prior results is provided in Section 2 of this Summary of Environmental Conditions.

The following section provides a general overview of the history of the site and other brownfield redevelopment-related information, including a brief discussion of prior reports and regulatory correspondence.

1.2 Site Background

According to the information obtained during the Phase I ESA, the property was developed as early as 1927. Some of the current onsite buildings were noted to be present in 1937. According to the April 8, 1993, CH2M Hill, *Remedial Investigation Report: Former Mercury Marine Plant No. 1, Cedarburg, Wisconsin*, the property was developed by the predecessor to Mercury Marine (Kiekhäfer Corporation) and operations at the plant began in 1939. Mercury Marine sold the plant to Scot Pump (a Wilo Company) in the early 1980s. The site was occupied by Wilo until early May 2022 and is currently vacant. The current owner of the property is JB Holdings 8, LLC.

WDNR file information indicated that the WDNR became aware of the presence of volatile organic chemicals within the City of Cedarburg public water supply system in 1982.

February 1990 Strand Associates, Inc. Environmental Repair Fund Study Report

In 1989, the WDNR reportedly authorized an “Environmental Repair Fund” study to investigate the source of contamination at the City’s water supply wells #3 and #5. Kapur understands that the Environmental Repair Fund study was conducted by Strand Associates, Inc. and that certain aquifer pumping tests were conducted directly by WDNR personnel. The Environmental Repair Fund study included the installation and sampling of soil gas monitoring probes, soil borings and groundwater monitoring wells. The activities conducted during the Environmental Repair Fund

study were summarized in the February 1990 Strand Associates, Inc. Report entitled, “Wisconsin DNR Cedarburg Groundwater Investigation – Existing Conditions Report.”

Major findings of this study indicated the presence of chlorinated solvent contamination in the vicinity of the Mercury Marine Plant 1 site (which at that time reportedly housed two industrial occupants - Scot Pump Division of Ardox Company and Karak Machine Shop), the Mercury Marine Plant 2 site (which was reported to be the location of a former aluminum die cast facility and which was reportedly owned by Madison Avenue Joint Venture of Grafton, Wisconsin), contamination within the City’s water supply wells #3 and #5, and the documentation of two dry-cleaning facilities (Cedarburg Dry Cleaners and One Hour Martinizing) which are located in close proximity to wells #3 and/or #5. The soil gas investigation conducted by Strand detected perchloroethylene at soil gas point 39, in the parking lot just west of the One Hour Martinizing site. The study also identified the presence of an on-site well at the Mercury Marine Plant #1 site that was reported by Strand to have been “constructed such that it was open to the Sandstone Aquifer only. This well has not yet been properly abandoned. Its condition is unknown.”

A review of the Strand report also indicates that perchloroethylene was detected in the groundwater samples collected from MW-1 in September through November 1989 at concentrations ranging from 1.9 ug/l to 12.2 ug/l. However, no reported detections of perchloroethylene were identified in the on-site Mercury Marine Plant #1 site wells of MW-6 or P-6 or the City water supply wells #3 or #5. With regard to the documented presence of PCE in the groundwater at MW-1 (near the dry cleaner site), the Strand report stated that it was “interesting to note that PER (perchloroethylene) was detected at concentrations averaging around 8 ug/l in this well, and PER was also detected in the soil gas down-gradient from MW-1, at the dry cleaner.” The Strand report also appeared to discount the One Hour Martinizing Dry Cleaner site in portions of its report as being the source of TCE impacts in the municipal wells when they indicated that MW-3 had not indicated shallow VOC contamination, but then appeared to contradict that evidence when they went on to state that, “PER has never been detected in the city wells, except for one detect of 0.8 ug/l in well 5.” It would seem that the detection of perchloroethylene at such a concentration in well 5, along with the presence of a positive soil gas vapor sample would not have resulted in the discounting of the dry cleaner site as a potential source of the PCE or the PCE daughter compounds that have been detected in the groundwater in the area, including at City Well #5.

The Strand report also provided a review of previous studies, including a study conducted by Donohue and Associates, Inc. in 1987 for the City of Cedarburg Light & Water Commission on “remedial action for the VOC contamination in wells 3 and 5.” City well #3 was reported to have been constructed in 1956 to a depth of 1,002 feet and reportedly draws water from both the Niagara and Sandstone aquifers with a static water depth of 718 feet at the time of completion. City well #5 was reported have been constructed in 1967 to a depth of 965 feet and reportedly draws water

from both the Niagara and Sandstone aquifers with a static water depth of 715 at the time of completion.

In Section 5.03 of the Strand report, Strand states that, “The City of Cedarburg has chosen a remedial action to protect its customers from continuing use of a contaminated water supply. The City will be treating water from well 3 and well 5 by air stripping of VOCs prior to distribution.” The report then goes on to state that “there are several remedial actions that could be considered to limit further degradation of the aquifer. These could include: A) in-situ treatment of the contaminated groundwater or soils, B) creation of aquifer barriers to prevent or lessen further migration of contamination, C) removal or containment of contaminated soils to prevent further elution of contaminants into the aquifer, and D) pumping and treating of groundwater by either granulated activated carbon or air stripping.”

Following their discussion of the merits and drawbacks of each of the above additional remedial actions, Strand indicated that “pumping and treating of deeper portions of the Niagara Aquifer would probably not be feasible, due to the more dilute nature of the contamination and the difficulty in locating contaminated fractures in the bedrock. The need for remediating the deeper groundwater is also lessened by the fact that this groundwater will be drawn toward the city wells and treated by air stripping in the future.” On page 5-7 of their report, Strand states, “In summary, there would appear to be no immediate danger to public health from the contamination once air stripping treatment of the water from wells 3 and 5 is commenced.” Strand also states that “the relatively high level of contamination found at the Scot Pump site and former Mercury Marine Plant 2 site may warrant remediation or careful monitoring to ensure that activities carried out at the sites do not endanger persons coming in contact with the contaminated groundwater or vapors.”

In Section 5.04, Strand reiterates that, “the city has chosen a remedial action for their water supply which will reduce the threat to the health and welfare of water consumers. Therefore, further investigation would only be desirable if the city wished to recover or lessen costs of remediation by identifying the responsible party or remediating the source.”

In their conclusions, Strand wrote “the results of this investigation indicate that further remedial action may be justified, due to the potential for further degradation of the aquifers. It may be desirable to pursue remediation at the Scot Pump site whether or not this site is the source of well 3 and 5 contamination due to the high concentrations of contaminants at this location. The extent of shallow and deep contamination in the vicinity of the city wells should be further investigated and a cost-benefit analysis of remediation performed prior to implementing remedial actions.”

WDNR November 14, 1991 Letter

On November 14, 1991, the WDNR issued a letter referencing “Public Water Supply Contamination, Well No. 3 Cedarburg, WI” to Mr. Tom Baumgartner of Mercury Marine. The letter indicated that the WDNR had discovered a problem with the City of Cedarburg public water supply in 1982 through a “volatile organic chemical sampling program of municipal wells.” Information contained within the letter indicated that “water quality monitoring by the City of Cedarburg and the WDNR has found trichloroethylene in city wells 3 and 5 at levels which range from no detection to 89 micrograms per liter.” The letter also indicated that, “in 1989, the Department of Natural Resources authorized an Environmental Repair Funded study to investigate the source of contamination at wells 3 and 5. This study used soil gas monitoring, soil borings, and groundwater monitoring wells. Volatile organic chemical contamination was found in two locations: the former Mercury Marine Plants 1 and 2.” We would note that this letter did not inform Mercury Marine of the WDNR’s discovery of PCE and/or other chlorinated solvents during the conduct of their Environmental Repair Funded study at locations other than at the Mercury Marine Plants 1 & 2 despite the Strand report’s documentation of such impacts at the MW-1 location and in the soil gas sample obtained near a dry cleaner site.

The stated purpose of the letter to Mercury Marine was to “inform you of your legal responsibilities to address this situation.” The letter also stated that it was Mercury Marine’s responsibility to: “1) Determine the horizontal and vertical extent of contamination; 2) Cleaning up the contaminants; and 3) Proper disposal of all contaminants.”

February 1992 CH2M Work Plan for Remedial Investigation

Based on our review of the WDNR file information, it appeared that Mercury Marine responded to the November 14, 1991 WDNR letter with the submittal of a Work Plan for Remedial Investigation at the former Mercury Marine Plant No. 1 site in February 1992 which was prepared by CH2M Hill.

WDNR April 15, 1992 Letter

In their April 15, 1992 correspondence to Attorney Thomas McElligot (Mercury Marine’s attorney), the WDNR indicated that it had reviewed the previously submitted CH2M Hill Work Plan.

The WDNR’s April 1992 Work Plan response letter indicated that the previously completed Environmental Repair Fund study had found contaminated groundwater in two locations, MW-6 and P-6, at the former Mercury Marine Plant 1 site. The letter went on to state that, “The highest level of trichloroethylene found in the shallow monitoring well, MW-6 was 4,960 ug/l which is

approximately 1,000 times greater than the enforcement standard of 5 ug/l for trichloroethylene.” The 1992 correspondence also indicated that “the highest level of trichloroethylene found in the piezometer, P-6, was 280 ug/l which is 56 times greater than the enforcement standard.” It was the WDNR’s position that “the presence of these contaminants in these groundwater samples indicates that a discharge of a hazardous substance has occurred.”

The WDNR’s Work Plan Approval letter indicated that the “first purpose of this investigation is to determine the degree and extent of contamination at the former Mercury Marine Plant 1.”

The WDNR’s letter indicated that the City of Cedarburg Well 3 is located approximately 150 feet to the north and west of MW-6 and P-6 and that trichloroethylene had been found in Well 3 at levels that are greater than the enforcement standard and the maximum contaminant level contained in Wisconsin Administrative Code NR 109 Safe Drinking Water, March 1991.

The letter also indicated that the second purpose of this investigation is to evaluate the relationship between the TCE contamination present at the former plant and the TCE contamination found in City of Cedarburg Well 3.

In the latter part of their April 1992 letter, the Department requested that Mercury Marine proceed with Tasks 1 & 2 in the proposed work plan and provide the Department with an Interim Report of this phase of the Remedial Investigation by June 16, 1992. The letter indicated that after the Department had reviewed the Interim Report, it would then approve the completion of the remaining tasks (Tasks 3 through 6) to complete the investigation. The attachment to this correspondence also indicated that Tasks 3 through 6 would be reviewed in more detail after submittal of the Interim Report.

WDNR Requested Interim Report

The WDNR BRRTS file does not appear to contain copies of any WDNR requested Interim Report as described in their April 1992 letter.

April 8, 1993 CH2M Hill Remedial Investigation Report

The April 8, 1993 CH2M Hill *Remedial Investigation Report* was prepared in response to the WDNR request that Mercury Marine investigate potential releases of chlorinated solvents on the property from its former plant, as VOCs had been detected in nearby municipal wells. Chlorinated VOCs (CVOCs) were detected in soil and groundwater during this investigation, with impacts extending into the bedrock at the site. The highest concentrations were detected on the western side of the property, near the area of the two former vapor degreaser areas (one of which was formerly located near the northwest corner of the previously demolished building and one of which

was formerly located near the northwest corner of the existing industrial building as depicted in Figure 1-2 of the CH2M RI Report). In addition to the former Mercury Marine Plant No.1 site, numerous other potential sources of chlorinated solvent releases were identified during initial investigation activities performed by the WDNR's consultant (Strand) in the 1980's and during the performance of CH2M's investigation activities. No ERP site was ever opened for this property, although the contaminants had been identified and reported to the WDNR and the City as a result of the use of WDNR ERP funds.

September 1993 CH2M Hill Groundwater Sampling & Analysis Report

In September 1993, CH2M Hill provided the WDNR with the results of the July 1993 Groundwater Sampling and Analysis. Monitoring wells MW-1 through MW-6 and P-6 were sampled during this event. TCE was detected at MW-1, MW-3, MW-4 and MW-6 and at P-6. At MW-2 (located on the eastern portion of the site), PCE was detected at a concentration of 140 ug/l and CH2M concluded that "the result from MW-2 suggests the possibility of VOC contamination from offsite since PCE has not been found in the samples taken from the former degreaser area."

December 1993 CH2M Hill Revised Work Plan for Remedial Investigation – Former Mercury Marine Plant No. 2

In their December 1993 Revised Work Plan for Remedial Investigation – Former Mercury Marine Plant No. 2, CH2M stated that they had "conducted a remedial investigation at the former Mercury Marine Plant No. 1 in January and February 1992 in which one of the objectives of the study was to determine the radius of influence of city water supply wells CW-3 and CW-5. The purpose of this exercise was to address DNR's allegation that releases from Plant No. 1 were the source of chlorinated VOCs observed in both of the city production wells." CH2M indicated that they felt it was "difficult to support the allegation that the chlorinated VOCs present locally in the till/upper bedrock groundwater are the source of chlorinated VOCs observed in city well CW-3." CH2M also indicated that "the radius of influence of city well CW-5 is as much as 2,400 feet from the pumping well" and went on to state that "VOCs from elsewhere within the influence of either of these two wells could be causing or contributing to the contamination reported at these wells."

September 1995 Weil Pump Company, Inc. Inquiry to WDNR

On September 22, 1995, Weil Pump Company, Inc. inquired about the status of the remediation of Mercury Marine Old Plant No. 1 in a letter to Sharon Shaver, Hydrogeologist at the WDNR.

No response appears to have been provided/addressed to Weil Pump Company, Inc. following their inquiry.

WDNR November 30, 1995 Letter

In a November 30, 1995 WDNR letter to Mercury Marine – Division of Brunswick Corporation, the WDNR requested an update on the current status of the remedial investigation performed at the Mercury Marine Plant No. 1 site. Kapur understands that prior to the issuance of this letter, the WDNR was supplied with the analytical results from the July 1993 Groundwater Sampling

Mercury Marine January 31, 1996 Letter to WDNR

On January 31, 1996, Mercury Marine issued a letter to Margaret Graefe of the WDNR which indicated that Mercury Marine was involved with a number of environmental projects in the Cedarburg area, including the former Plant 1, former Plant 2, the Prochnow Landfill, the Blank property and the Cedar Creek cleanup. As regards former Plant 1, the letter indicated that “during the last few months, we have been in contact with Weil Pump Company, Inc. owners of our former Plant 1. Weil Pump Company, Inc. is planning a facility expansion this year. To accommodate their expansion, we are currently reviewing their plans and potential remedial options per NR 700. We anticipate this review will be completed during the next few months. If deemed necessary, we will then submit a work plan to the Department for approval so we can coordinate our activities with that of Weil Pump Company, Inc.”

Kapur is not aware of any additional environmental reports or file entries following the above-referenced 1996 Mercury Marine letter to the WDNR until 2021. Available information indicates that sometime prior to 1996, an air stripper device had been added to the public water supply system in order to remediate and address the presence of contaminants identified within the groundwater samples obtained from Well No. 3 and Well No. 5 and that the air stripper was performing effectively to prevent any harmful impacts due to the presence of contamination within the groundwater that supplied these wells. This remedial strategy appears to have met the objective identified on Page 5-7 of the Strand Report which stated, “In summary, there would appear to be no immediate danger to public health from the contamination once air stripping treatment of the water from wells 3 and 5 is commenced.”

2021 Kapur Phase I and Phase II ESA Reports

In 2021, a Phase I Environmental Site Assessment Report was prepared for a prospective purchaser/developer of this brownfield site and Phase II Environmental Site Assessment activities were subsequently conducted at this site on behalf of the prospective purchaser/developer. Copies of the Phase I and II ESA’s were provided to the WDNR in November 2021.

2022 Kapur Evaluation of Current Environmental Conditions

In 2022, Kapur conducted an evaluation of current environmental conditions which included soil boring advancement, monitoring well and bedrock piezometer installation, and sub-slab vapor sampling. The results of this evaluation are summarized in this report.

1.3 Owner, Consultant and Subcontractors List

The following section summarizes the names, addresses, and telephone numbers of the property owner, client, consultant, and subcontractors:

<u>Prior Owner</u>	Jackson Western LLC PO Box 727, Cedarburg, WI 53012
<u>Current Owner</u>	JB Properties 8, LLC Cedarburg, WI 53012
<u>Report Users</u>	JB Properties 8, LLC & Mr. Robert Bach P2 Development Company 524 Technology Way, Saukville WI 53080 Contact Phone: (414) 573-1147
<u>Consultant</u>	Kapur Inc. 7711 North Port Washington Road, Milwaukee, WI 53217 Phone: (414) 751-7279 Contact: Travis Peterson
<u>Drilling Subcontractor</u>	Horizon Construction and Exploration 764 Tower Drive Fredonia, Wisconsin 53021 Phone: (262) 692-3374 Contact: Adam Sweet

Analytical Testing

Pace Analytical

1241 Bellevue Street, Suite 9, Green Bay, WI 54302

Phone: (920) 469-2436

Contact: Christopher Hyska

1.4 Regional and Local Geology and Hydrogeology

Based on the USGS Cedarburg, WI Quadrangle topographic map (Ref. 3), the subject site is relatively flat with an approximate elevation of 789 feet above the Mean Sea Level (MSL). The surrounding topography slopes generally towards the east. Based upon the CH2M Hill Site Investigation data, groundwater was between 10 and 45 ft bgs and groundwater flow is to the south/southeast. During the Phase II ESA, bedrock was encountered in all soil borings, at depths of approximately 12 to 40 feet bgs. Shallow bedrock was identified in the north, and deeper bedrock in the south. During the additional assessment activities to determine current site conditions, bedrock was encountered on the northern portion of the site at approximately 12 feet bgs.

2.0 SUBSURFACE INVESTIGATION

2.1 Soil Investigation Findings

During the Phase II ESA activities conducted on October 21 and October 22, 2021, Kapur supervised the installation of fourteen (14) soil borings, SB-1 through SB-14, by Horizon Construction and Exploration (Horizon) of Fredonia, Wisconsin. The borings were advanced using direct push (Geoprobe) methods to a maximum depth of forty (40) ft bgs. Select soil samples were collected and submitted to Pace Analytical (Pace) of Green Bay, Wisconsin (WDNR Certification #: 405132750) for laboratory analysis. Field sampling locations were chosen to confirm and delineate contamination reported in the 1993 CH2M Hill Report. Field observations and laboratory analytical results of the soil investigation indicated:

- The soils located at the site generally include asphalt or concrete to a depth of approximately one (1) foot bgs over sand and gravel fill, over silty clay fill, over native silty clay, silt, sand, silty sand, and clay to a maximum boring depth of forty (40) feet bgs.
- Bedrock was encountered in all soil borings, at depths of approximately 12 to 40 feet bgs, except in SB-7 and SB-13. Shallow bedrock was identified in the north, and deeper bedrock in the south.

- Soil boring SB-7 was not extended to bedrock because the soil boring was used for a soil sample only as MSB6/MW-2 from the CH2M Hill Investigation was available for collection of a groundwater sample.
- Soil boring SB-13 was not extended to bedrock as the GeoProbe could not drill through the silty clay.
- An unidentified odor was identified in SB-1 (2-4).
- Strong petroleum odors and staining were identified in SB-9 (7-10 ft bgs), and SB-10 (3.0-12.5 ft bgs). No obvious odor or staining was noted during the remaining soil boring activities.
- PID readings remained below background levels (<10 parts per million by volume in air (ppmv)) during soil boring activities in all soil borings except SB-7, SB-9, and SB-10.
 - The greatest PID readings were observed in soil boring SB-10, with the greatest reading observed in the 4-6 ft bgs interval (181.5 ppm). PID readings decreased in the 8-10 ft bgs sample interval and deeper.
- Bedrock was not investigated as part of the Phase II ESA scope of work.
- Laboratory analysis indicated:
 - Of the VOCs:
 - 1,2,4-Trimethylbenzene was detected above the applicable ch. NR 720 Soil to Groundwater Pathway RCLs.
 - Trichloroethene was detected above the applicable ch. NR 720 Industrial Direct Contact RCLs.
 - Trichloroethene Toxicity Characteristic Leachate Procedure (TCLP) results was below 0.50 mg/L.
 - Of the RCRA metals:
 - Arsenic was detected above the applicable ch. NR 720 Industrial Direct Contact RCL and above the applicable background threshold value (BTV).
 - Lead was detected above the applicable ch. NR 720 Soil to Groundwater Pathway RCL and above the BTV.
 - Of the PAHs:
 - Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above the applicable ch. NR 720 Non-Industrial Direct Contact RCLs.
 - Chrysene was detected above the applicable ch. NR 720 Soil to Groundwater Pathway RCL.

- Of the DROs:
 - DRO was detected at a maximum concentration of 1,110 mg/kg. There is no established standard for DRO however, the detection does confirm petroleum contamination.

During the recently completed assessment of existing site conditions, the additional work at the site included the advancement of seven soil borings (which were converted to monitoring wells MW-20 through MW-26) in February 2022 and the installation of two bedrock piezometers (PZ-23 and PZ-24, nested with MW-23 and MW-24 respectively) in March 2022. Soil samples were submitted for laboratory analysis of select soil samples obtained from MW-20 through MW-26.

Tabulated laboratory analytical results for the soil samples are presented in Attachment B. The laboratory analytical results from the recently installed soil borings indicated generally similar contaminant concentrations as those reported during the Phase II ESA activities.

The planned redevelopment of the site is anticipated to provide for a means to address residual soil impacts present at the site via capping of direct contact soils through planned grading or the construction of buildings and/or roadways, and by minimizing the presence of on-site soil impacts via planned hot-spot excavation of certain soil (some of which is anticipated to require out of state disposal due to reported contaminant concentrations) and off-site disposal or on-site contaminated soil management.

2.2 Groundwater Investigation Findings

During Phase II ESA activities, after completing soil borings SB-1 through SB-4, SB-8 through SB-12, and SB-14, Kapur supervised the conversion of ten (10) soil borings to temporary monitoring wells (TW-1 through TW-4, TW-8 through TW-12, and TW-14). Each temporary monitoring well was completed with a 10-foot screened section, PVC riser to the surface and set with filter pack material. On October 26, 2021, a peristaltic pump and dedicated, low density polyethylene (LDPE) tubing was used to develop the wells and to collect samples. Groundwater samples were submitted to Pace for laboratory analysis of RCRA Metals, PAHs, VOCs and 1,4-dioxane. Field observations of the groundwater investigation indicated:

- No well was installed at SB-5, as the water table was not encountered during drilling, or at TW-13 due to the difficult drilling conditions in the area.
- A water sample was not obtained from TW-6 as the well was dry.

- The groundwater recovered from the monitoring wells were clear in color, and turbidity generally improved after development of the well. Temporary monitoring wells, TW-4, TW-9 and TW-11 were tan in color and turbid.
- Water levels ranged from 6.31 ft bgs (TW-11) to 24.10 feet bgs (TW-14).
- Elevation of the ground or wells was not measured.
- The pH ranged from 6.89 (TW-12) to 7.46 (TW-8).
- The specific conductivity ranged from 735 uS/cm (TW-14) to 3,799 uS/cm (TW-12).
- CH2M Hill monitoring well, MSB6/MW-2 was installed during the 1993 investigation. The well was located and appeared in sound condition. This well was completed in bedrock with a 15-foot well screen. It was purged using a clean submersible pump with dedicated poly tubing. This is the only location where a sample was obtained from within bedrock.
- Laboratory analysis indicated:
 - Of the PAHs
 - Benzo(b)fluoranthene and chrysene were detected above the applicable ch. NR 140 Preventive Action Limits (PALs).
 - Of the RCRA metals
 - Barium, chromium, and lead were detected above the applicable ch. NR 140 PAL.
 - Of the VOCs
 - 1,1,1-Trichloroethane, and 1,1-dichloroethene were detected above the applicable ch. NR 140 PAL.
 - Trichloroethene (TCE), vinyl chloride (VC), and cis 1,2-dichloroethene (cis-DCE) were detected above the applicable ch. NR 140 Enforcement Standards (ES).

Figures 1 & 2 attached to this report provide the locations of the Phase II ESA and current site condition sampling locations. The attached tables provide a summary of the Phase II and current site condition soil and groundwater analytical results.

During the recently completed assessment of existing site conditions, the additional work at the site included the advancement of seven soil borings (which were converted to monitoring wells MW-20 through MW-26) in February 2022, the installation of two bedrock piezometers (PZ-23 and PZ-24, nested with MW-23 and MW-24 respectively) in March 2022. Groundwater samples

were submitted for laboratory analysis from MW-20 through MW-26, PZ-23 & PZ-24 and MW-2 (aka MSB6).

- Laboratory analysis indicated:
 - Of the PAHs
 - MW-20, MW-21 and MW-22 exhibited detections above NR 140 Enforcement Standards (ESs).
 - Of the RCRA metals
 - MW-24 & MW-26 exhibited detections above NR 140 ESs.
 - Of the VOCs
 - MW-2, MW-23, MW-24, MW-26 and PZ-23 and PZ-24 exhibited detections above NR 140 ESs.

A review of previously detected trichloroethylene concentrations in groundwater at and near the site indicated that a significant reduction in trichloroethylene concentrations over the past 25 years or so has occurred.

As the Strand report indicated, TCE concentrations at MW-6 and P-6 were reported to be 4,960 ug/l (ppb) and 280 ug/l (ppb) in September 1989, well above the 1.8 ppb ES. Within the samples obtained from Well No. 3 during the time period from 1982 to 1989, the reported TCE concentrations in the drinking water supply samples from Well No. 3 exhibited concentrations that ranged from 2.7 ppb to 4.0 ppb in 1982 to between 1.0 ppb and 71 ppb in 1989. During the same 1982 to 1989 time period, the reported TCE concentrations in the drinking water supply samples from Well No.5 exhibited concentrations that ranged from 2.5 ppb to 5.4 ppb in 1982 to between 0 ppb to 89 ppb in 1989.

A review of the groundwater “grab” samples obtained from the borings installed by CH2M in 1993 indicated that the reported TCE concentrations ranged from <1 ppb at MSB10 and MSB 12 to 2,300 ppb at MSB09, which was located near the former location of the northern vapor degreaser. Based on the type of groundwater samples obtained from these soil borings (“grab” samples versus samples obtained from NR 141 compliant monitoring wells and/or piezometers), Kapur understands that these reported concentrations may represent artificially elevated levels but would note that these observed concentrations of TCE are less than the 4,960 ppb TCE concentration reported by Strand at MW-6 in 1989.

A review of the July 13, 2003 monitoring well and piezometer sampling results obtained from MW01 through MW06 and P6 by CH2M which were reported in their September 1, 1993 Groundwater Sampling and Analysis Report indicated that the observed concentrations for TCE

at MW02 and MW05 were both less than 1 ppb, MW03 was less than 2.7 ppb, MW01 was 420 ppb, MW04 was 1,000 ppb, and MW06 was 1,600 ppb and P6 was 84 ppb. The monitoring well samples obtained by CH2M in July 1993 were all significantly lower than the 4,960 ppb TCE concentration at MW-6 in 1989 and the TCE concentration of 84 ppb in P6 was significantly lower than the 280 ppb concentration observed at this location in 1989.

A review of the groundwater sample analytical results obtained from MW-2, MW-20 through MW26, and PZ-23 and PZ-24 indicate a significant reduction in the amount of TCE observed in groundwater in the vicinity of the former Mercury Marine Plant No. 1 site. The reported concentration of TCE was above the ES at MW-2, MW-23, MW-24, MW-26 and these ES exceedances ranged from 8.9 ppb to 203 ppb, well below the 4,960 ppb concentration reported at MW-6 in 1989. The reported TCE concentrations at PZ-23 and PZ-24 of 120 ppb and 52.6 ppb respectively are also well below the previously observed 1989 P6 TCE concentration of 280 ppb.

With regard to the continued presence of residual groundwater contamination identified at this brownfield redevelopment site, as well as within the community at large, it is expected that the planned redevelopment will comply with City of Cedarburg ordinances regarding the prohibition of the installation of any private potable water supply systems (i.e. the proposed development will be hooked-up to the available municipal water supply system which has been reported to have been successful in providing safe drinking water to area residents via the use of air strippers/scrubbers and/or other remedial technologies). It is anticipated that following the planned redevelopment of the site, additional groundwater monitoring of the existing monitoring well/piezometer network may be conducted for at two quarters to evaluate any effects of the redevelopment activities on the groundwater conditions in the vicinity of the site. The additional groundwater monitoring may serve an additional purpose in assisting in the identification of potential sources of PCE and/or other contaminants from off-site sources that were identified in prior environmental reports.

2.3 Contaminant Migration/Vapor Assessment

During the recently completed assessment of existing site conditions, the additional work at the site included the installation of sub-slab vapor sample points VP-1 through VP-12 in March 2022. Vapor samples were collected on March 7th from VP-1 through VP-8 and on March 8th from VP-9 through VP-12 and were submitted for laboratory analysis of VOCs.

The analytical results for the vapor samples were compared against the Residential Sub-Slab Vapor Risk Screening Levels (RSVRSLs) contained in WDNR Publication RR-0136 dated February 2022. Of the 12 vapor samples submitted for laboratory analysis, only one vapor sample location (VP-9) exhibited a vapor concentration greater than the published RSVRSLs. The laboratory reported trichloroethylene concentration of 1,530 micrograms per cubic meter at VP-9 was greater

than the RSVRSL of 70 micrograms per cubic meter. As a result of this finding, Kapur recommends that the proposed redevelopment of the site incorporate some form of passive or active vapor mitigation measures in the vicinity of VP-9 (which is reported to have been the location of one of the former vapor degreasers at the site).

3.0 CONCLUSIONS

Based on field observations and the laboratory analytical results of the Phase II ESA activities and recently completed assessment of existing site conditions, Kapur has reached the following conclusions regarding the Former Mercury Marine Plant No. 1 site:

Soil

The soils located at the site generally include asphalt or concrete to a depth of approximately one (1) foot bgs over sand and gravel fill over silty clay fill to depths of approximately 0.5 to 5 ft bgs, over native silty clay, silt, sand, silty sand, and clay to a maximum boring depth of forty (40) feet bgs. Bedrock was encountered in all soil borings, at depths of approximately 12 to 40 feet bgs. Shallow bedrock was identified in the north and deeper bedrock in the south.

Contaminant impacts in the soil samples collected and analyzed for VOCs, PAHs, and RCRA metals exceeded the applicable ch. NR 720 standards. Contaminant impacts appear at various locations throughout the approximate 13-acre site but tend to be concentrated near the former locations of the vapor degreasers and are consistent with the known historical industrial land use. Prior studies have indicated the potential for site soils overlying the bedrock (as well as groundwater) to be impacted by nearby off-site sources (dry cleaners, industrial sites, etc.). The presence of PCE in the soil and groundwater at, and or near the site (including within the public water supply well system), may be the result of such off-site contaminant migration onto the Former Mercury Marine Plant No. 1 site.

In the western portion of the site, soil borings SB-10 and SB-12 contain PAHs exceeding ch. NR 720 Non-Industrial Direct Contact RCLs at depths of 0 to 8 ft bgs. Soil boring, SB-12 also contained lead exceeding the applicable ch. NR Soil to Groundwater Pathway RCL at a depth of 0-5 ft bgs.

In the northern portion of the site, soil boring SB-2 contained arsenic exceeding the applicable ch. NR 720 Direct Contact Industrial RCL at a depth of 4 to 6 ft bgs and lead impacts exceeding the applicable ch. NR 720 Soil to Groundwater Pathway RCL at a depth of 0 to 2 ft bgs.

On the west-central portion of the Site, soil borings SB-3 through SB-5 and SB-9 contain trichloroethene (TCE) exceeding ch. NR 720 standards. These borings were in an area of native silt and silty clay and are located in the vicinity of the former vapor degreasers, where elevated impacts were identified during the 1993 investigation. The TCE exceedance in SB-4 at a depth of 10-12 ft bgs was further analyzed via the Toxicity Characteristic Leachate Procedure (TCLP) to determine whether a hazardous designation would be necessary and proper landfill disposal requirements. The TCLP resulted in a concentration of 0.15 mg/L for SB-4, which is below the toxicity limit of 0.50 mg/L. However, additional soil sampling conducted during the evaluation of current conditions indicated that a portion of the impacted soil in the vicinity of the former vapor degreasers would likely need to be disposed of at a licensed out-of-state landfill facility if it were to be excavated during the planned brownfield redevelopment of the site.

DRO was detected at a concentration of 1,110 mg/kg at SB-10 (4-8') and at a concentration of 22.4 mg/kg at SB-9 (7-9'). Soil boring SB-9 also contained 1,2,4-trimethylbenzene (1,2,4-TMB) exceeding the applicable ch. NR 720 Soil to Groundwater Pathway RCL at a depth of 7-9 ft bgs. No other petroleum VOCs (PVOCs) were detected above ch. NR 720 standards.

It is anticipated that the planned brownfield redevelopment activities will aid in addressing any potential impacts of the residually impacted soils at the site.

Groundwater

Depth to groundwater observed in the monitoring wells at the site was approximately 6 ft bgs to 24 ft bgs. Based upon local geology, the general local groundwater flow is to the south/southeast. Regional groundwater flow is expected to be east toward Cedar Creek.

Groundwater impacted with PAHs (benzo(a)fluoranthene and chrysene) exceeding the applicable ch. NR 140 Preventive Action Limits (PALs) is located on the northwest, west-central, and southern portions of the property.

Groundwater impacted with RCRA metals exceeding the applicable ch. NR 140 PALs is located on the west-central portion of the property. The impacts include lead, chromium and barium.

Groundwater impacted with CVOCs exceeding applicable ch. NR 140 standards was identified site-wide and at numerous locations off the site in the vicinity of suspected off-site source locations. Impacts exceeding ch. NR 140 standards were identified near the northern, western and eastern property boundaries, and likely extend beyond these property boundaries.

TCE and its daughter products, VC and cis-DCE, were identified exceeding ch. NR 140 PALs and Enforcement Standards (ESs) across the central portion of the site in the vicinity of the former vapor degreasers and were also identified at numerous locations off the site in the vicinity of suspected off-site source locations.

Available information indicates that sometime prior to 1996, an air stripper device had been added to the public water supply system in order to remediate and address the presence of contaminants identified within the groundwater samples obtained from Well No. 3 and Well No. 5 and that the air stripper was performing effectively to prevent any harmful impacts due to the presence of contamination within the groundwater that supplied these wells. This remedial strategy appears to have met the objective identified on Page 5-7 of the Strand Report which stated, “In summary, there would appear to be no immediate danger to public health from the contamination once air stripping treatment of the water from wells 3 and 5 is commenced.”

Kapur understands that in addition to the discovery of CVOCs in City of Cedarburg Water Supply Well No. 3 and No. 5 dating back to the 1980s, CVOCs have been reported to be present within Well No. 4, which is in close proximity to the Former Prochnow Landfill site and Former Mercury Marine Plant No. 2. Kapur understands that as a result of the discovery of CVOCs at Well No. 4, an air stripper system and/or other remedial equipment has been added at that location.

Vapor

Based on the work conducted to date at the site, Kapur recommends that the proposed redevelopment of the site incorporate some form of passive and/or active vapor mitigation measures within structures located in the vicinity of VP-9 (which is reported to have been the location of one of the former vapor degreasers at the site). It is further recommended that no basement structures be constructed within 50 feet of the centerpoint of the location of the former vapor degreaser near VP-9. In the event that hot-spot soil excavation is accomplished in the vicinity of the former vapor degreasers, this recommendation to eliminate basement structures and provide vapor mitigation measures may be withdrawn by Kapur after further evaluation and testing of the site conditions.

ATTACHMENT A

PROPOSED DEVELOPMENT SITE PLAN

SITE STATISTICS

UNIT MIX & COUNT	
A: TOWNHOMES 2 STORY / 2 BED	18 UNITS
B: TOWNHOMES 3 STORY / 3 BED	26 UNITS
C1: POCKET NEIGHBORHOOD 2 STORY / 3 BED	14 UNITS
C2: POCKET NEIGHBORHOOD 2 STORY / 3 BED	12 UNITS
SUB TOTAL "A"	70 UNITS
D: APARTMENT BUILDING 3 STORY	110 UNITS
E: APARTMENT BUILDING 2 STORY	50 UNITS
SUBTOTAL "B"	160 UNITS
TOTAL	230 UNITS



ARCHITECTURAL SITE PLAN
SCALE: 1" = 50'

FOX RUN DEVELOPMENT
N49 W6337 WESTERN ROAD,
CEDARBURG, WI 53012

DRAWING ISSUE: SITE PLAN
DATE: 11.16.21

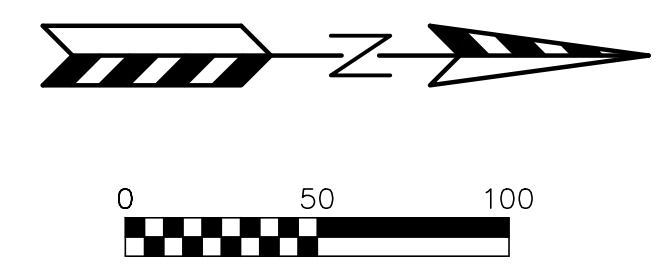
PROJECT #: 21.37

ARCHITECTURAL SITE PLAN

A002

ATTACHMENT B

FIGURES



MONITORING WELL & SOIL BORING INFORMATION			
Map Dot	PIT NO.	BEDROCK EL.	GW EL.
●	SB-1/TW-1	773.80	N/A
●	SB-2/TW-2	774.26	N/A
●	SB-3/TW-3	772.4	N/A
●	SB-4/TW-4	771.5	N/A
●	SB-5	772.43	N/A
●	SB-6	775.44	N/A
●	SB-7	NO BEDROCK ENCOUNTERED	N/A
●	SB-8/TW-8	775.38	N/A
●	SB-9/TW-9	775.83	N/A
●	SB-10/TW-10	770.50	N/A
●	SB-11/TW-11	773.77	N/A
●	SB-12/TW-12	768.42	N/A
●	SB-13	NO BEDROCK ENCOUNTERED	N/A
●	SB-14/TW-14	759.42	N/A
●	MSB 6	EX. GW MONITORING WELL	
●	MW 2	EX. GW MONITORING WELL	
●	MW 20	777.71	778.81
●	MW 21	772.21	771.71
●	MW 22	773.69	773.99
●	MW 23	772.59	778.09
●	MW 24	772.49	777.99
●	MW 25	NO BEDROCK ENCOUNTERED	784.52
●	MW 26	NO BEDROCK ENCOUNTERED	768.95

- LEGEND:**
- 896 --- EXISTING MINOR CONTOUR.
 - 895 --- EXISTING MAJOR CONTOUR.
 - OHEL — OVERHEAD ELECTRIC LINE.
 - BuEl — BURIED ELECTRIC LINE.
 - BuTel — BURIED TELEPHONE LINE.
 - FO — FIBER OPTIC LINE.
 - GAS — GAS LINE.
 - SAN — SANITARY SEWER MAIN OR LATERAL.
 - WAT — WATER MAIN OR SERVICE.
 - STORM SEWER LINE.
 - ELEC — ELECTRIC METER.
 - (GAS) — GAS METER.
 - (V) — GAS VALVE.
 - (F) — FIRE HYDRANT.
 - (P) — POWER POLE.
 - (SN) — SANITARY SEWER MANHOLE.
 - (ST) — STORM SEWER MANHOLE.
 - (S) — STORM SEWER INLET.
 - (T) — TELEPHONE PEDESTAL.
 - (TRAN) — TRANSFORMER.
 - (W) — WATER VALVE.
 - (V) — PIEZOMETER & VAPOR SAMPLE LOCATIONS.

REVISIONS:	
NO.	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7600
 kparish@parishse.com

PROJECT TITLE:
**FOX RUN DEVELOPMENT
 HANOVER AVE
 CEDARBURG, WI 53012**

PLAN TITLE:
FIGURE 1

DRAWN BY:
M.SWARTWOUT

DESIGNED BY:
K.PARISH

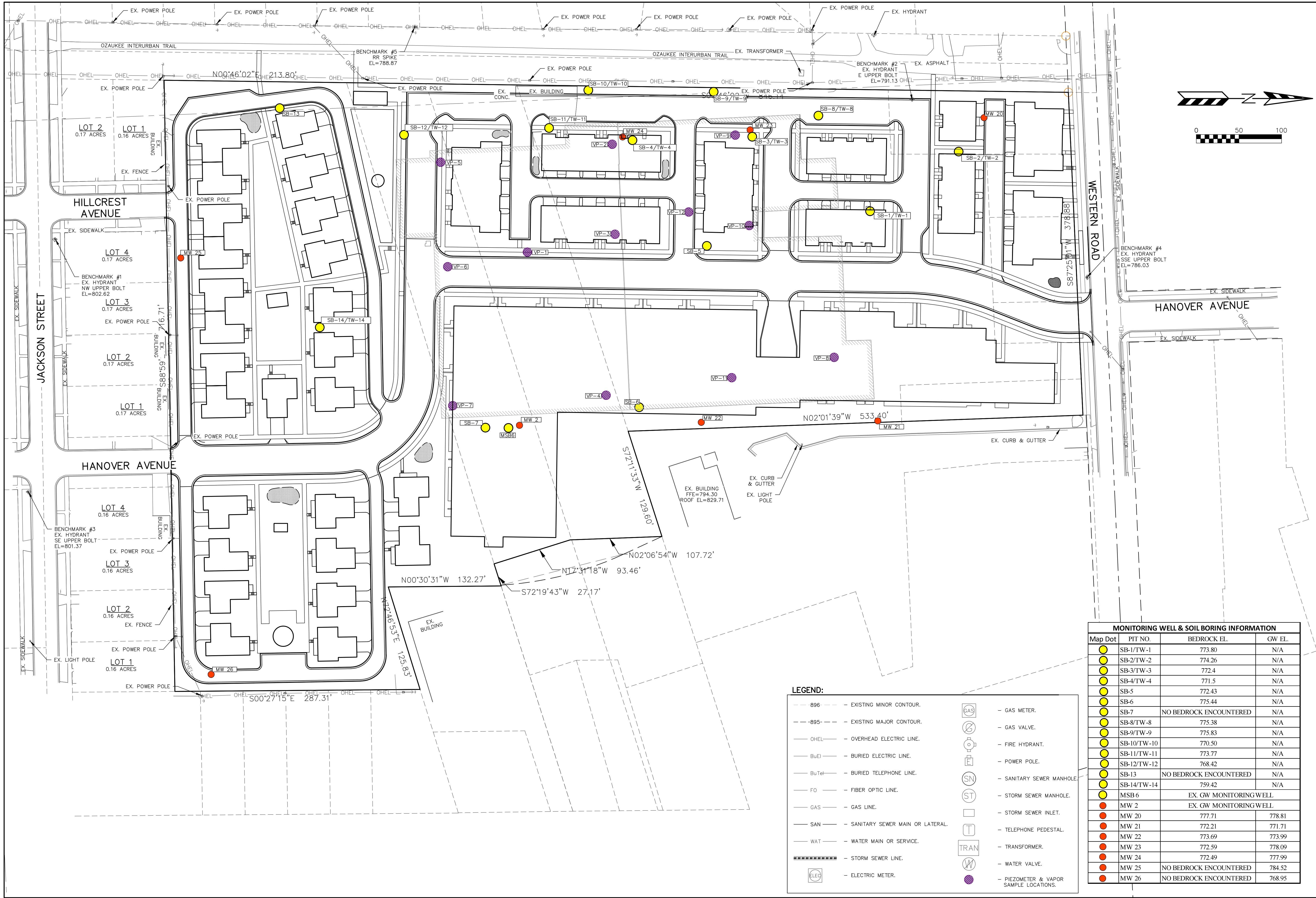
CHECKED BY:

PLAN DATE:
5-16-2022

PROJECT NO:
 \PD-09-21\

BID SET

SHEET NO:
C5.01



NO.	DATE	DESCRIPTION

PSE
 PARISH SURVEY & ENGINEERING
 122 Wisconsin Street, West Bend, WI 53095
 262.346.7600
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PROJECT TITLE:
 FOX RUN DEVELOPMENT
 HANOVER AVE
 CEDARBURG, WI 53012

PLAN TITLE:
 FIGURE 2

DRAWN BY:
 M.SWARTWOUT

DESIGNED BY:

CHECKED BY:
 K.PARISH

PLAN DATE:
 5-16-2022

PROJECT NO:
 \PD-09-21\

BID SET

SHEET NO:
 C5.02

MONITORING WELL & SOIL BORING INFORMATION			
Map Dot	PIT NO.	BEDROCK EL.	GW EL.
●	SB-1/TW-1	773.80	N/A
●	SB-2/TW-2	774.26	N/A
●	SB-3/TW-3	772.4	N/A
●	SB-4/TW-4	771.5	N/A
●	SB-5	772.43	N/A
●	SB-6	775.44	N/A
●	SB-7	NO BEDROCK ENCOUNTERED	N/A
●	SB-8/TW-8	775.38	N/A
●	SB-9/TW-9	775.83	N/A
●	SB-10/TW-10	770.50	N/A
●	SB-11/TW-11	773.77	N/A
●	SB-12/TW-12	768.42	N/A
●	SB-13	NO BEDROCK ENCOUNTERED	N/A
●	SB-14/TW-14	759.42	N/A
●	MSB 6	EX. GW MONITORING WELL	
●	MW 2	EX. GW MONITORING WELL	
●	MW 20	777.71	778.81
●	MW 21	772.21	771.71
●	MW 22	773.69	773.99
●	MW 23	772.59	778.09
●	MW 24	772.49	777.99
●	MW 25	NO BEDROCK ENCOUNTERED	784.52
●	MW 26	NO BEDROCK ENCOUNTERED	768.95

LEGEND:

--- 896 ---	EXISTING MINOR CONTOUR.	(GAS)	GAS METER.
--- 895 ---	EXISTING MAJOR CONTOUR.	(GAS)	GAS VALVE.
— OHEL —	OVERHEAD ELECTRIC LINE.	(F)	FIRE HYDRANT.
— BuEl —	BURIED ELECTRIC LINE.	(P)	POWER POLE.
— BuTel —	BURIED TELEPHONE LINE.	(SN)	SANITARY SEWER MANHOLE.
— FO —	FIBER OPTIC LINE.	(ST)	STORM SEWER MANHOLE.
— GAS —	GAS LINE.	(S)	STORM SEWER INLET.
— SAN —	SANITARY SEWER MAIN OR LATERAL.	(T)	TELEPHONE PEDESTAL.
— WAT —	WATER MAIN OR SERVICE.	(TRAN)	TRANSFORMER.
—	STORM SEWER LINE.	(W)	WATER VALVE.
(ELEC)	ELECTRIC METER.	(V)	PIEZOMETER & VAPOR SAMPLE LOCATIONS.

ATTACHMENT C

TABLES



Table A.1: Soil Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 720 Direct Contact Industrial RCL's	ch. NR 720 Direct Contact Non-Industrial RCL's	ch. NR 720 Soil to Groundwater Pathway RCL's	Background Threshold Value	SB-1	SB-2	SB-3	SB-4
					Sample Date:	10/21/2021	10/21/2021	10/21/2021	10/21/2021
					Soil Type:	FILL	FILL	FILL	CL/ML
					Saturated/Unsaturated:	U	U	U	U
					Sample Depth:	2-4'	4-6'	0-2'	4-6'
						2-4'	8-10'	10-12'	6-8'
Polynuclear Aromatic Hydrocarbons (PAHs)									
1,4-Dioxane (p-Dioxane)	mg/kg	26.5	5.7	0.0012		<0.10	<0.10	<0.11	<0.10
1-Methylnaphthalene	mg/kg	72.7	17.6			<0.054	<0.054	<0.058	<0.054
2-Methylnaphthalene	mg/kg	3,010	239			<0.050	<0.049	<0.053	<0.049
Acenaphthene	mg/kg	45,200	3,590			<0.068	<0.067	<0.073	<0.067
Acenaphthylene	mg/kg					<0.068	<0.068	<0.073	<0.068
Anthracene	mg/kg	100,000	17,900	196.9492		<0.031	<0.030	<0.033	<0.030
Benzo(a)anthracene	mg/kg	20.8	1.14			<0.030	<0.029	0.035 J	<0.029
Benzo(a)pyrene	mg/kg	2.11	0.115	0.47		<0.029	<0.029	0.038 J	<0.029
Benzo(b)fluoranthene	mg/kg	21.1	1.15	0.4793		<0.033	<0.033	0.055 J	<0.033
Benzo(g,h,i)perylene	mg/kg					<0.050	<0.050	0.060 J	<0.050
Benzo(k)fluoranthene	mg/kg	211	11.5			<0.046	<0.046	<0.049	<0.045
Chrysene	mg/kg	2,110	115	0.1446		<0.029	<0.028	0.047 J	<0.028
Dibenz(a,h)anthracene	mg/kg	2.11	0.115			<0.052	<0.052	<0.056	<0.052
Fluoranthene	mg/kg	30,100	2,390	88.8778		<0.027	<0.027	0.11	<0.027
Fluorene	mg/kg	30,100	2,390	14.8299		<0.022	<0.022	<0.024	<0.022
Indeno(1,2,3-cd)pyrene	mg/kg	21.1	1.15			<0.041	<0.041	0.055 J	<0.041
Naphthalene	mg/kg	26.0	5.2	0.66		<0.067	<0.067	<0.072	<0.066
Phenanthrene	mg/kg					<0.025	<0.024	0.088	<0.024
Pyrene	mg/kg	22,600	1,790	54.5455		<0.042	<0.042	0.095 J	<0.042
RCRA Metals									
Arsenic	mg/kg	3.0	0.677	0.5484	8.3	2.7 J*	2.5 J*	7.0*	[24.5]
Barium	mg/kg	100,000	15,300	164.8	364	44.9	33.4	108	59.6
Cadmium	mg/kg	985	71.1	0.752	1.07	<0.15	<0.15	0.37 J	0.34 J
Chromium	mg/kg			360,000	43.5	13.9	9.6	23.5	15.2
Lead	mg/kg	800	400	27.0	51.6	5.3	4.8	[55.7]	6.7
Selenium	mg/kg	5,840	391	0.52		<1.5	<1.4	<1.5	<1.4
Silver	mg/kg	5840	391	0.85		<0.35	<0.34	<0.35	<0.34
Mercury	mg/kg	3.13	3.13	0.208		0.035 J	0.016 J	0.078	0.018 J
Volatile Organic Compounds (VOCs)									
1,1,1,2-Tetrachloroethane	mg/kg	12.3	2.8	0.053		<0.016	<0.015	<0.017	<0.015
1,1,1-Trichloroethane	mg/kg	640	640	0.14		<0.017	<0.016	<0.019	<0.016
1,1,2,2-Tetrachloroethane	mg/kg	3.6	0.81	0.0002		<0.023	<0.023	<0.026	<0.023
1,1,2-Trichloroethane	mg/kg	7.0	1.6	0.0032		<0.024	<0.023	<0.026	<0.024
1,1-Dichloroethane	mg/kg	22.2	5.1	0.48		<0.017	<0.016	<0.019	<0.016
1,1-Dichloroethene	mg/kg			0.005		<0.021	<0.021	<0.024	<0.021
1,2,3-Trichlorobenzene	mg/kg	934	62.6			<0.072	<0.071	<0.081	<0.071
1,2,3-Trichloropropane	mg/kg	0.11	0.005	0.052		<0.031	<0.031	<0.035	<0.031
1,2,4-Trichlorobenzene	mg/kg	113	24	0.41		<0.053	<0.053	<0.060	<0.053
1,2,4-Trimethylbenzene	mg/kg	219	219	1.4		<0.019	<0.019	<0.022	<0.019
1,2-Dibromo-3-chloropropane	mg/kg	0.092	0.008	0.0002		<0.050	<0.050	<0.056	<0.050
1,2-Dibromoethane (EDB)	mg/kg		0.05	0.00028		<0.018	<0.018	<0.020	<0.017
1,2-Dichlorobenzene	mg/kg	376	376	1.2		<0.020	<0.020	<0.022	<0.020
1,2-Dichloroethane	mg/kg	2.9	0.65	0.0028		<0.015	<0.015	<0.017	<0.015
1,2-Dichloropropane	mg/kg	15	3.4	0.0033		<0.015	<0.015	<0.017	<0.015
1,3,5-Trimethylbenzene	mg/kg	182	182	1.4		<0.021	<0.021	<0.023	<0.021
1,3-Dichlorobenzene	mg/kg	297	297	1.2		<0.018	<0.018	<0.020	<0.017
1,3-Dichloropropane	mg/kg	1,490	1,490			<0.014	<0.014	<0.016	<0.014
1,4-Dichlorobenzene	mg/kg		3.7	0.14		<0.018	<0.018	<0.020	<0.017
2,2-Dichloropropane	mg/kg	191	527			<0.017	<0.017	<0.020	<0.017
2-Chlorotoluene	mg/kg	907	907			<0.021	<0.021	<0.024	<0.021
4-Chlorotoluene	mg/kg	253	253			<0.025	<0.024	<0.028	<0.024
Benzene	mg/kg	7.1	1.6	0.0052		<0.015	<0.015	<0.017	<0.015
Bromobenzene	mg/kg	679	342			<0.025	<0.025	<0.028	<0.025
Bromochloromethane	mg/kg	906	216			<0.018	<0.018	<0.020	<0.017
Bromodichloromethane	mg/kg	1.8	0.42	0.0004		<0.015	<0.015	<0.017	<0.015
Bromofrom	mg/kg	113	25.4	0.0024		<0.28	<0.28	<0.32	<0.28
Bromomethane	mg/kg	43	9.6	0.005		<0.091	<0.090	<0.10	<0.089
Carbon tetrachloride	mg/kg	4.0	0.92	0.0038		<0.014	<0.014	<0.016	<0.014
Chlorobenzene	mg/kg	761	370	0.14		<0.0078	<0.0077	<0.0087	<0.0077
Chloroethane	mg/kg	2120	2,120	0.23		<0.027	<0.027	<0.031	<0.027
Chloroform	mg/kg	2.0	0.45	0.0034		<0.046	<0.046	<0.052	<0.046
Chloromethane	mg/kg	669	159	0.016		<0.025	<0.024	<0.028	<0.024
Dibromochloromethane	mg/kg	38.9	8.3	0.032		<0.22	<0.22	<0.25	<0.22
Dibromomethane	mg/kg	143	34			<0.019	<0.019	<0.021	<0.019
Dichlorodifluoromethane	mg/kg	530	126	3.1		<0.028	<0.027	<0.031	<0.027
Diisopropyl ether	mg/kg	2,260	2,260			<0.016	<0.016	<0.018	<0.016
Ethylbenzene	mg/kg	35.4	8.0	1.6		<0.015	<0.015	<0.017	<0.015
Hexachloro-1,3-butadiene	mg/kg	7.2	1.6			<0.13	<0.13	<0.14	<0.13
Isopropylbenzene (Cumene)	mg/kg	268	268			<0.017	<0.017	<0.020	<0.017
Methyl-tert-butyl ether	mg/kg	282	63.8	0.027		<0.019	<0.019	<0.021	<0.019
Methylene Chloride	mg/kg	1,150	61.8	0.0026		<0.018	<0.018	<0.020	<0.018
Naphthalene	mg/kg	24.1	5.5	0.66		<0.020	<0.020	<0.023	<0.020
Styrene	mg/kg	867	867	0.22		<0.017	<0.016	<0.019	<0.016
Tetrachloroethene	mg/kg	153	33.0	0.0046		<0.025	<0.025	<0.028	<0.025
Toluene	mg/kg	818	818	1.1		<0.016	<0.016	<0.018	<0.016
Trichloroethene	mg/kg	8.8	1.3	0.0036		<0.024	<0.024	<0.027	<0.024
Trichlorofluoromethane	mg/kg	1,230	1,120	4.5		<0.019	<0.019	<0.021	<0.019
Vinyl chloride	mg/kg	2.0	0.067	0.00014		<0.013	<0.013	<0.015	<0.013
cis-1,2-Dichloroethene	mg/kg	2,340	156	0.041		<0.014	<0.014	<0.016	<0.014
cis-1,3-Dichloropropene	mg/kg	1,210	1,220			<0.043	<0.042	<0.048	<0.042
m&p-Xylene	mg/kg					<0.027	<0.027	<0.031	<0.027
n-Butylbenzene	mg/kg	108	108			<0.030	<0.029	<0.033	<0.029
n-Propylbenzene	mg/kg	264	264			<0.016	<0.015	<0.017	<0.015
o-Xylene	mg/kg	434	434			<0.019	<0.019	<0.022	<0.019
p-Isopropyltoluene	mg/kg	162	162			<0.020	<0.019	<0.022	<0.019
sec-Butylbenzene	mg/kg	145	145			<0.016	<0.016	<0.018	<0.016
tert-Butylbenzene	mg/kg	183	183			<0.020	<0.020	<0.023	<0.020
trans-1,2-Dichloroethene	mg/kg	976	1,560	0.063		<0.014	<0.014	<0.016	<0.014
trans-1,3-Dichloropropene	mg/kg	1,570	1,570			<0.19	<0.18	<0.21	<0.18
Diesel Range Organics									
DRO	mg/kg					NA	NA	NA	NA
Percent Moisture	%					12.8	12.2	18.4	12.0
PID	ppmv					1.2	0.90	0.70	0.40

Only analytes with a detection in at least one sample are shown. NR = Not Reported/Below Detection Limits
 (2-3) = sample depth in feet below ground surface mg/kg = milligrams per kilogram equal to parts per million (ppm)
 PID = Photoionization Detector RCL = Residual Contaminant Level
 ppmv = parts per million by volume in air NA = Not Analyzed
 * = concentration is above RCL but below Background Threshold
 Concentrations equal to or exceeding the NR 720 Soil RCL Industrial Direct Contact Standards are in **red bold**
 Concentrations equal to or exceeding the NR 720 Soil RCL Non-Industrial Direct Contact Standards are in **blue bold**
 Concentrations equal to or exceeding the NR 720 Soil RCL (via EPA RSLs) Soil to Groundwater Standards are in **[brackets]**
 J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
 NA = Not Analyzed

Soil Classification:
 CL = Clay of low plasticity
 MH = Elastic silt
 ML = Silt
 SC = Clayey sand
 SM = Silty sand
 SP = Poorly graded sand
 SW = Well graded sand, fine to coarse



Table A.1: Soil Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 720 Direct Contact Industrial RCL's	ch. NR 720 Direct Contact Non-Industrial RCL's	ch. NR 720 Soil to Groundwater Pathway RCL's	Background Threshold Value	SB-5				SB-6		SB-7		SB-8	
						ML	CL	SP/GW	FILL	CL/ML	ML	ML	ML	CL/ML	
Sample Date:						10/21/2021				10/21/2021		10/21/2021		10/21/2021	
Soil Type:						U	U	U	U	U	U	U	U	U	U
Saturated/Unsaturated:						U	U	U	U	U	U	U	U	U	
Sample Depth:						8-10'	10-12'	12-15'	0-5'	7-10'	4-6'	6-8'	0-5'	8-10'	
Polynuclear Aromatic Hydrocarbons (PAHs)															
1,4-Dioxane (p-Dioxane)	mg/kg	26.5	5.7	0.0012		<0.11	<0.11	<0.097	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
1-Methylnaphthalene	mg/kg	72.7	17.6			<0.057	<0.058	<0.051	<0.053	<0.055	<0.054	<0.054	<0.054	<0.053	
2-Methylnaphthalene	mg/kg	3,010	239			<0.052	<0.053	<0.046	<0.049	<0.050	<0.049	<0.049	<0.049	<0.049	
Acenaphthene	mg/kg	45,200	3,590			<0.071	<0.072	<0.063	<0.067	<0.068	<0.067	<0.067	<0.067	<0.066	
Acenaphthylene	mg/kg					<0.071	<0.073	<0.064	<0.067	<0.069	<0.068	<0.067	<0.068	<0.067	
Anthracene	mg/kg	100,000	17,900	196.9492		<0.032	<0.033	<0.029	<0.030	<0.031	<0.030	<0.030	<0.030	<0.030	
Benzo(a)anthracene	mg/kg	20.8	1.14			<0.031	0.047 J	<0.028	<0.029	<0.030	<0.029	<0.029	<0.029	<0.029	
Benzo(a)pyrene	mg/kg	2.11	0.115	0.47		<0.030	0.040 J	0.078 J	<0.028	<0.029	<0.029	<0.028	<0.028	<0.028	
Benzo(b)fluoranthene	mg/kg	21.1	1.15	0.4793		<0.034	0.043 J	0.051 J	<0.032	<0.033	<0.033	<0.033	<0.033	<0.032	
Benzo(g,h,i)perylene	mg/kg					<0.052	<0.053	0.087 J	<0.049	<0.050	<0.050	<0.049	<0.050	<0.049	
Benzo(k)fluoranthene	mg/kg	211	11.5			<0.048	<0.049	0.050 J	<0.045	<0.046	<0.045	<0.045	<0.045	<0.045	
Chrysene	mg/kg	2,110	115	0.1446		<0.030	0.052 J	<0.027	<0.028	<0.029	<0.028	<0.028	<0.028	<0.028	
Dibenz(a,h)anthracene	mg/kg	2.11	0.115			<0.054	<0.055	0.081 J	<0.051	<0.052	<0.052	<0.051	<0.051	<0.051	
Fluoranthene	mg/kg	30,100	2,390	88.8778		<0.028	0.11	<0.025	0.033 J	<0.027	<0.027	<0.027	<0.027	<0.027	
Fluorene	mg/kg	30,100	2,390	14.8299		<0.023	<0.024	<0.021	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	
Indeno(1,2,3-cd)pyrene	mg/kg	21.1	1.15			<0.043	<0.044	0.12 J	<0.041	<0.042	<0.041	<0.041	<0.041	<0.041	
Naphthalene	mg/kg	26.0	5.2	0.66		<0.070	<0.071	<0.062	<0.066	<0.067	<0.066	<0.066	<0.066	<0.065	
Phenanthrene	mg/kg					<0.026	<0.026	<0.023	0.032 J	<0.025	<0.024	<0.024	<0.024	<0.024	
Pyrene	mg/kg	22,600	1,790	54.5455		<0.044	0.11 J	<0.040	<0.042	<0.043	<0.042	<0.042	<0.042	<0.042	
RCRA Metals															
Arsenic	mg/kg	3.0	0.677	0.5484	8.3	3.1*	6.7*	4.5*	2.3 J*	2.2 J*	2.0 J*	2.3 J*	<1.5	3.0*	
Barium	mg/kg	100,000	15,300	164.8	364	64.8	89.1	13.1	28.2	35.1	33.4	29.3	45.5	49.3	
Cadmium	mg/kg	985	71.1	0.752	1.07	0.21 J	0.20 J	<0.14	0.24 J	0.24 J	0.18 J	0.19 J	0.23 J	0.24 J	
Chromium	mg/kg			360,000	43.5	16.8	15.3	6.4	9.6	10.0	9.8	8.8	13.5	14.1	
Lead	mg/kg	800	400	27.0	51.6	6.6	7.4	5.6	6.3	5.7	4.8	4.5	4.7	5.8	
Selenium	mg/kg	5,840	391	0.52		<1.5	<1.6	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	
Silver	mg/kg	5840	391	0.85		<0.36	<0.37	<0.32	<0.32	<0.33	<0.34	<0.34	<0.32	<0.34	
Mercury	mg/kg	3.13	3.13	0.208		<0.011	<0.012	<0.0099	<0.010	<0.011	<0.011	<0.011	<0.011	<0.011	
Volatile Organic Compounds (VOCs)															
1,1,1,2-Tetrachloroethane	mg/kg	12.3	2.8	0.053		<0.017	<0.017	<0.014	<0.015	<0.016	<0.015	<0.015	<0.015	<0.015	
1,1,1-Trichloroethane	mg/kg	640	640	0.14		<0.018	<0.018	<0.015	<0.016	<0.017	<0.016	<0.016	<0.016	<0.016	
1,1,2,2-Tetrachloroethane	mg/kg	3.6	0.81	0.0002		<0.025	<0.026	<0.021	<0.023	<0.024	<0.023	<0.023	<0.023	<0.023	
1,1,2-Trichloroethane	mg/kg	7.0	1.6	0.0032		<0.025	<0.026	<0.021	<0.023	<0.024	<0.023	<0.023	<0.023	<0.023	
1,1-Dichloroethane	mg/kg	22.2	5.1	0.48		<0.018	<0.018	<0.015	<0.016	<0.017	<0.016	<0.016	<0.016	<0.016	
1,1-Dichloroethene	mg/kg		320	0.005		<0.023	<0.024	<0.019	<0.021	<0.022	<0.021	<0.021	<0.021	<0.021	
1,2,3-Trichlorobenzene	mg/kg	934	62.6			<0.077	<0.080	<0.063	<0.069	<0.073	<0.071	<0.070	<0.071	<0.069	
1,2,3-Trichloropropane	mg/kg	0.11	0.005	0.052		<0.034	<0.035	<0.028	<0.030	<0.032	<0.031	<0.031	<0.031	<0.030	
1,2,4-Trichlorobenzene	mg/kg	113	24	0.41		<0.057	<0.059	<0.047	<0.051	<0.054	<0.052	<0.052	<0.052	<0.051	
1,2,4-Trimethylbenzene	mg/kg	219	219	1.4		<0.021	<0.021	<0.017	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	
1,2-Dibromo-3-chloropropane	mg/kg	0.092	0.008	0.0002		<0.054	<0.056	<0.044	<0.048	<0.051	<0.049	<0.049	<0.049	<0.048	
1,2-Dibromoethane (EDB)	mg/kg		0.05	0.000028		<0.019	<0.020	<0.016	<0.017	<0.018	<0.017	<0.017	<0.017	<0.017	
1,2-Dichlorobenzene	mg/kg	376	376	1.2		<0.022	<0.022	<0.018	<0.019	<0.020	<0.020	<0.019	<0.020	<0.019	
1,2-Dichloroethane	mg/kg	2.9	0.65	0.0028		<0.016	<0.017	<0.013	<0.014	<0.015	<0.015	<0.014	<0.015	<0.014	
1,2-Dichloropropane	mg/kg	15	3.4	0.0033		<0.017	<0.017	<0.014	<0.015	<0.016	<0.015	<0.015	<0.015	<0.015	
1,3,5-Trimethylbenzene	mg/kg	182	182	1.4		<0.022	<0.023	<0.018	<0.020	<0.021	<0.020	<0.020	<0.020	<0.020	
1,3-Dichlorobenzene	mg/kg	297	297	1.2		<0.019	<0.020	<0.016	<0.017	<0.018	<0.017	<0.017	<0.017	<0.017	
1,3-Dichloropropane	mg/kg	1,490	1,490			<0.015	<0.016	<0.012	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	
1,4-Dichlorobenzene	mg/kg		3.7	0.14		<0.019	<0.020	<0.016	<0.017	<0.018	<0.017	<0.017	<0.017	<0.017	
2,2-Dichloropropane	mg/kg	191	527			<0.019	<0.019	<0.015	<0.017	<0.018	<0.017	<0.017	<0.017	<0.017	
2-Chlorotoluene	mg/kg	907	907			<0.023	<0.023	<0.018	<0.020	<0.021	<0.021	<0.020	<0.021	<0.020	
4-Chlorotoluene	mg/kg	253	253			<0.026	<0.027	<0.022	<0.024	<0.025	<0.024	<0.024	<0.024	<0.024	
Benzene	mg/kg	7.1	1.6	0.0052		<0.017	<0.017	<0.014	<0.015	<0.016	<0.015	<0.015	<0.015	<0.015	
Bromobenzene	mg/kg	679	342			<0.027	<0.028	<0.022	<0.024	<0.025	<0.024	<0.024	<0.024	<0.024	
Bromochloromethane	mg/kg	906	216			<0.019	<0.020	<0.016	<0.017	<0.018	<0.017	<0.017	<0.017	<0.017	
Bromodichloromethane	mg/kg	1.8	0.42	0.0004		<0.017	<0.017	<0.014	<0.015	<0.016	<0.015	<0.015	<0.015	<0.015	
Bromoform	mg/kg	113	25.4	0.0024		<0.31	<0.32	<0.25	<0.27	<0.29	<0.28	<0.28	<0.28	<0.27	
Bromomethane	mg/kg	43	9.6	0.005		<0.097	<0.10	<0.080	<0.087	<0.091	<0.089	<0.088	<0.089	<0.087	
Carbon tetrachloride	mg/kg	4.0	0.92	0.0038		<0.015	<0.016	<0.013	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	
Chlorobenzene	mg/kg	761	370	0.14		<0.0083	<0.0086	<0.0068	<0.0075	<0.0078	<0.0076	<0.0075	<0.0076	<0.0075	
Chloroethane	mg/kg	2,120	2,120	0.23		<0.029	<0.030	<0.024	<0.026	<0.028	<0.027	<0.026	<0.027	<0.026	
Chloroform	mg/kg	2.0	0.45	0.0034		<0.050	<0.051	<0.041	<0.045	<0.047	<0.046	<0.045	<0.045	<0.045	
Chloromethane	mg/kg	669	159	0.016		<0.026	<0.027	<0.022	<0.024	<0.025	<0.024	<0.024	<0.024	<0.024	
Dibromochloromethane	mg/kg	38.9	8.3	0.032		<0.24	<0.25	<0.19	<0.21	<0.22	<0.21	<0.21	<0.21	<0.21	
Dibromomethane	mg/kg	143	34			<0.021	<0.021	<0.017	<0.018	<0.019	<0.019	<0.019	<0.019	<0.018	
Dichlorodifluoromethane	mg/kg	530	126	3.1		<0.030	<0.031	<0.024	<0.027	<0.028	<0.027	<0.027	<0.027	<0.027	
Diisopropyl ether	mg/kg	2,260	2,260			<0.017	<0.018	<0.014	<0.015	<0.016	<0.016	<0.016	<0.016	<0.015	
Ethylbenzene	mg/kg	35.4	8.0	1.6		<0.017	<0.017	<0.014	<0.015	<0.016	<0.015	<0.015	<0.015	<0.015	
Hexachloro-1,3-butadiene	mg/kg	7.2	1.6			<0.14	<0.14	<0.11	<0.12	<0.13	<0.13	<0.13	<0.13	<0.12	
Isopropylbenzene															



Table A.1: Soil Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 720 Direct Contact Industrial RCL's	ch. NR 720 Direct Contact Non-Industrial RCL's	ch. NR 720 Soil to Groundwater Pathway RCL's	Background Threshold Value	SB-9		SB-10		SB-11		SB-12					
						Sample Date:				10/21/2021		10/21/2021		10/21/2021		10/22/2021	
						Soil Type:				ML	GW	GW	ML	ML	GP	CL	GP/SC
Saturated/Unsaturated:				U	U	U	U	U	U	U	U	U	U				
Sample Depth:				2-4'	7-9'	9-10'	4-8'	8-10'	2-4'	8-10'	0-5'	15-18'					
Polynuclear Aromatic Hydrocarbons (PAHs)																	
1,4-Dioxane (p-Dioxane)	mg/kg	26.5	5.7	0.0012		<0.11	<0.11	<0.10	<0.40	<0.10	<0.11	<0.10	<0.21	<0.11			
1-Methylnaphthalene	mg/kg	72.7	17.6			<0.057	<0.055	<0.054	<0.21	<0.053	<0.057	<0.053	<0.11	<0.056			
2-Methylnaphthalene	mg/kg	3,010	239			<0.052	<0.050	<0.049	<0.19	<0.048	<0.052	<0.048	<0.10	<0.051			
Acenaphthene	mg/kg	45,200	3,590			<0.071	<0.069	<0.067	<0.26	<0.066	<0.071	<0.066	<0.14	<0.070			
Acenaphthylene	mg/kg					<0.072	<0.069	<0.068	<0.27	<0.066	<0.072	<0.066	<0.14	<0.070			
Anthracene	mg/kg	100,000	17,900	196.9492		<0.032	<0.031	<0.030	<0.12	<0.030	<0.032	<0.030	0.083 J	<0.031			
Benzo(a)anthracene	mg/kg	20.8	1.14			<0.031	0.042 J	<0.029	<0.12	<0.029	<0.031	<0.029	0.87	<0.030			
Benzo(a)pyrene	mg/kg	2.11	0.115	0.47		<0.030	0.044 J	<0.028	0.30 J	<0.028	<0.030	<0.028	[1.3]	<0.030			
Benzo(b)fluoranthene	mg/kg	21.1	1.15	0.4793		<0.035	0.041 J	<0.033	0.21 J	<0.032	<0.034	<0.032	[2.1]	<0.034			
Benzo(g,h,i)perylene	mg/kg					<0.053	0.068 J	<0.050	0.48 J	<0.048	<0.052	<0.049	1.6	<0.051			
Benzo(k)fluoranthene	mg/kg	211	11.5			<0.048	0.083 J	<0.045	0.19 J	<0.044	<0.048	<0.044	0.78	<0.047			
Chrysene	mg/kg	2,110	115	0.1446		<0.030	0.067 J	<0.028	<0.11	<0.028	<0.030	<0.028	[1.4]	<0.029			
Dibenz(a,h)anthracene	mg/kg	2.11	0.115			<0.055	<0.053	<0.051	0.51 J	<0.050	<0.054	<0.050	0.24 J	<0.053			
Fluoranthene	mg/kg	30,100	2,390	88.8778		<0.028	0.13	<0.027	<0.11	<0.026	<0.028	<0.026	2.7	<0.028			
Fluorene	mg/kg	30,100	2,390	14.8299		<0.023	<0.023	<0.022	<0.087	<0.022	<0.023	<0.022	<0.046	<0.023			
Indeno(1,2,3-cd)pyrene	mg/kg	21.1	1.15			<0.044	0.061 J	<0.041	0.60	<0.040	<0.043	<0.040	1.4	<0.042			
Naphthalene	mg/kg	26.0	5.2	0.66		<0.070	0.078 J	<0.066	<0.26	<0.065	<0.070	<0.065	<0.14	<0.069			
Phenanthrene	mg/kg					<0.026	0.079 J	<0.024	<0.095	<0.024	<0.026	<0.024	0.99	<0.025			
Pyrene	mg/kg	22,600	1,790	54.5455		<0.045	0.13 J	<0.042	<0.16	<0.041	<0.044	<0.041	2.5	<0.044			
RCRA Metals																	
Arsenic	mg/kg	3.0	0.677	0.5484	8.3	3.2*	2.5 J*	2.1 J*	3.0*	2.7 J*	4.3*	2.7*	2.9*	1.9 J*			
Barium	mg/kg	100,000	15,300	164.8	364	80.7	35.1	11.4	33.7	31.5	102	36.5	31.0	44.0			
Cadmium	mg/kg	985	71.1	0.752	1.07	0.29 J	<0.15	0.24 J	<0.14	0.21 J	0.35 J	0.24 J	0.49 J	0.20 J			
Chromium	mg/kg			360,000	43.5	19.9	11.4	5.9	11.2	8.3	24.2	8.4	38.2	26.3			
Lead	mg/kg	800	400	27.0	51.6	6.3	5.1	4.0	5.3	7.5	13.1	6.0	[60.6]	5.0			
Selenium	mg/kg	5,840	391	0.52		<1.6	<1.5	<1.4	<1.4	<1.4	<1.6	<1.4	<1.5	<1.5			
Silver	mg/kg	5840	391	0.85		<0.37	<0.36	<0.34	<0.33	<0.33	<0.37	<0.32	0.37 J	<0.36			
Mercury	mg/kg	3.13	3.13	0.208		<0.012	<0.012	<0.011	<0.010	<0.011	0.035 J	<0.011	<0.011	<0.011			
Volatile Organic Compounds (VOCs)																	
1,1,1,2-Tetrachloroethane	mg/kg	12.3	2.8	0.053		<0.017	<0.016	<0.015	<0.015	<0.015	<0.017	<0.015	<0.016	<0.016			
1,1,1-Trichloroethane	mg/kg	640	640	0.14		<0.018	<0.017	<0.016	<0.016	<0.016	<0.018	<0.016	<0.017	<0.017			
1,1,2,2-Tetrachloroethane	mg/kg	3.6	0.81	0.0002		<0.026	<0.024	<0.023	<0.022	<0.022	<0.025	<0.022	<0.024	<0.025			
1,1,2-Trichloroethane	mg/kg	7.0	1.6	0.0032		<0.026	<0.024	<0.023	<0.022	<0.022	<0.026	<0.022	<0.024	<0.025			
1,1-Dichloroethane	mg/kg	22.2	5.1	0.48		<0.018	<0.017	<0.016	<0.016	<0.016	<0.018	0.073	<0.017	<0.017			
1,1-Dichloroethene	mg/kg		320	0.005		<0.023	<0.022	<0.021	<0.020	<0.020	<0.023	<0.020	<0.022	<0.022			
1,2,3-Trichlorobenzene	mg/kg	934	62.6			<0.079	<0.074	<0.071	<0.069	<0.068	<0.078	<0.068	<0.074	<0.075			
1,2,3-Trichloropropane	mg/kg	0.11	0.005	0.052		<0.034	<0.032	<0.031	<0.030	<0.029	<0.034	<0.030	<0.032	<0.033			
1,2,4-Trichlorobenzene	mg/kg	113	24	0.41		<0.058	<0.055	<0.052	<0.051	<0.050	<0.058	<0.051	<0.055	<0.056			
1,2,4-Trimethylbenzene	mg/kg	219	219	1.4		<0.021	[2.7]	0.027 J	1.2	0.086	<0.021	<0.018	<0.020	<0.020			
1,2-Dibromo-3-chloropropane	mg/kg	0.092	0.008	0.0002		<0.055	<0.052	<0.049	<0.048	<0.047	<0.054	<0.048	<0.052	<0.053			
1,2-Dibromoethane (EDB)	mg/kg		0.05	0.000028		<0.019	<0.018	<0.017	<0.017	<0.017	<0.019	<0.017	<0.018	<0.019			
1,2-Dichlorobenzene	mg/kg	376	376	1.2		<0.022	<0.021	<0.020	<0.019	<0.019	<0.022	<0.019	<0.021	<0.021			
1,2-Dichloroethane	mg/kg	2.9	0.65	0.0028		<0.016	<0.015	<0.015	<0.014	<0.014	<0.016	<0.014	<0.015	<0.016			
1,2-Dichloropropane	mg/kg	15	3.4	0.0033		<0.017	<0.016	<0.015	<0.015	<0.014	<0.017	<0.015	<0.016	<0.016			
1,3,5-Trimethylbenzene	mg/kg	182	182	1.4		<0.023	1.1	<0.020	0.43	<0.020	<0.023	<0.020	<0.021	<0.022			
1,3-Dichlorobenzene	mg/kg	297	297	1.2		<0.019	<0.018	<0.017	<0.017	<0.017	<0.019	<0.017	<0.018	<0.019			
1,3-Dichloropropane	mg/kg	1,490	1,490			<0.015	<0.014	<0.014	<0.013	<0.013	<0.015	<0.013	<0.015	<0.015			
1,4-Dichlorobenzene	mg/kg		3.7	0.14		<0.019	<0.018	<0.017	<0.017	<0.017	<0.019	<0.017	<0.018	<0.019			
2,2-Dichloropropane	mg/kg	191	527			<0.019	<0.018	<0.017	<0.017	<0.016	<0.019	<0.017	<0.018	<0.018			
2-Chlorotoluene	mg/kg	907	907			<0.023	<0.022	<0.021	<0.020	<0.020	<0.023	<0.020	<0.022	<0.022			
4-Chlorotoluene	mg/kg	253	253			<0.027	<0.025	<0.024	<0.023	<0.023	<0.027	<0.023	<0.025	<0.026			
Benzene	mg/kg	7.1	1.6	0.0052		<0.017	<0.016	<0.015	<0.015	<0.014	<0.017	<0.015	<0.016	<0.016			
Bromobenzene	mg/kg	679	342			<0.028	<0.026	<0.025	<0.024	<0.024	<0.027	<0.024	<0.026	<0.026			
Bromochloromethane	mg/kg	906	216			<0.019	<0.018	<0.017	<0.017	<0.017	<0.019	<0.017	<0.018	<0.019			
Bromodichloromethane	mg/kg	1.8	0.42	0.0004		<0.017	<0.016	<0.015	<0.015	<0.014	<0.017	<0.015	<0.016	<0.016			
Bromoform	mg/kg	113	25.4	0.0024		<0.31	<0.29	<0.28	<0.27	<0.27	<0.31	<0.27	<0.29	<0.30			
Bromomethane	mg/kg	43	9.6	0.005		<0.099	<0.093	<0.089	<0.086	<0.085	<0.098	<0.086	<0.094	<0.095			
Carbon tetrachloride	mg/kg	4.0	0.92	0.0038		<0.016	<0.015	<0.014	<0.014	<0.013	<0.015	<0.013	<0.015	<0.015			
Chlorobenzene	mg/kg	761	370	0.14		<0.0085	<0.0080	<0.0078	<0.0074	<0.0073	<0.0084	<0.0074	<0.0080	<0.0081			
Chloroethane	mg/kg	2120	2,120	0.23		<0.030	<0.028	<0.027	<0.026	<0.026	<0.030	<0.026	<0.028	<0.029			
Chloroform	mg/kg	2.0	0.45	0.0034		<0.051	<0.048	<0.045	<0.044	<0.043	<0.050	<0.044	<0.048	<0.048			
Chloromethane	mg/kg	669	159	0.016		<0.027	<0.025	<0.024	<0.023	<0.023	<0.027	<0.023	<0.025	<0.026			
Dibromochloromethane	mg/kg	38.9	8.3	0.032		<0.24	<0.23	<0.22	<0.21	<0.21	<0.24	<0.21	<0.23	<0.23			
Dibromomethane	mg/kg	143	34			<0.021	<0.020	<0.019	<0.018	<0.018	<0.021	<0.018	<0.020	<0.020			
Dichlorodifluoromethane	mg/kg	530	126	3.1		<0.030	<0.029	<0.027	<0.026	<0.026	<0.030	<0.026	<0.029				



Table A.1: Soil Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Main data table with columns: Parameter, Units, ch. NR 720 Direct Contact Industrial RCL's, ch. NR 720 Direct Contact Non-Industrial RCL's, ch. NR 720 Soil to Groundwater Pathway RCL's, Background Threshold Value, SB-13, SB-14, B-20, B-21, B-22. Rows include Polynuclear Aromatic Hydrocarbons (PAHs), RCRA Metals, Volatile Organic Compounds (VOCs), Diesel Range Organics, DRO, Percent Moisture, and PID.

Only analytes with a detection in at least one sample are show NR = Not Reported/Below Detection Limits
(2-3) = sample depth in feet below ground surface
mg/kg = milligrams per kilogram equal to parts per million (ppm)
PID - Photoionization Detector
RCL = Residual Contaminant Level
ppmv = parts per million by volume in air
NA = Not Analyzed
* = concentration is above RCL but below Background Threshold
Concentrations equal to or exceeding the NR 720 Soil RCL Industrial Direct Contact Standards are in red bold
Concentrations equal to or exceeding the NR 720 Soil RCL Non-Industrial Direct Contact Standards are in blue bold
Concentrations equal to or exceeding the NR 720 Soil RCL (via EPA RSLs) Soil to Groundwater Standards are in [brackets]
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
NA = Not Analyzed

Soil Classification:
CL = Clay of low plasticity
MH = Elastic silt
ML = Silt
SC = Clayey sand
SM = Silty sand
SP = Poorly graded sand
SW = Well graded sand, fine to coars



Table A.1: Soil Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 720 Direct Contact Industrial RCL' s	ch. NR 720 Direct Contact Non-Industrial RCL' s	ch. NR 720 Soil to Groundwater Pathway RCL's	Background Threshold Value	B-23		B-24		B-25		B-26	
						CL/ML	CL/ML	ML	CL	FILL	CL/ML	ML	ML
Sample Date:						2/3/2022		2/3/2022		2/3/2022		2/3/2022	
Soil Type:						U	U	U	U	U	U	U	U
Saturated/Unsaturated:						U	U	U	U	U	U	U	U
Sample Depth:						0-2'	8-10'	0-2'	8-10'	0-2'	10-12'	0-2'	20-22'
Polynuclear Aromatic Hydrocarbons (PAHs)													
1,4-Dioxane (p-Dioxane)	mg/kg	26.5	5.7	0.0012		NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	mg/kg	72.7	17.6			<0.0028	<0.0026	<0.0027	<0.0027	<0.0028	<0.0029	<0.0029	<0.0029
2-Methylnaphthalene	mg/kg	3,010	239			<0.0028	<0.0026	<0.0027	<0.0027	<0.0028	<0.0029	<0.0029	<0.0029
Acenaphthene	mg/kg	45,200	3,590			<0.0025	<0.0023	<0.0024	<0.0024	<0.0025	<0.0026	<0.0026	<0.0026
Acenaphthylene	mg/kg					<0.0024	<0.0022	<0.0024	<0.0024	<0.0024	<0.0025	<0.0025	<0.0025
Anthracene	mg/kg	100,000	17,900	196.9492		<0.0024	<0.0022	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024	<0.0025
Benzo(a)anthracene	mg/kg	20.8	1.14			<0.0025	<0.0023	<0.0024	<0.0024	<0.0025	<0.0026	<0.0025	<0.0026
Benzo(a)pyrene	mg/kg	2.11	0.115	0.47		<0.0022	<0.0020	<0.0021	<0.0021	<0.0022	<0.0022	<0.0022	<0.0023
Benzo(b)fluoranthene	mg/kg	21.1	1.15	0.4793		<0.0027	<0.0024	<0.0026	<0.0026	<0.0026	<0.0027	<0.0027	<0.0028
Benzo(g,h,i)perylene	mg/kg					<0.0034	<0.0031	<0.0033	<0.0033	<0.0033	<0.0034	<0.0035	<0.0034
Benzo(k)fluoranthene	mg/kg	211	11.5			<0.0024	<0.0023	<0.0024	<0.0024	<0.0024	<0.0025	<0.0025	<0.0026
Chrysene	mg/kg	2,110	115	0.1446		<0.0036	<0.0033	<0.0035	<0.0035	<0.0036	<0.0037	<0.0037	<0.0038
Dibenz(a,h)anthracene	mg/kg	2.11	0.115			<0.0027	<0.0024	<0.0026	<0.0026	<0.0026	<0.0027	<0.0027	<0.0028
Fluoranthene	mg/kg	30,100	2,390	88.8778		<0.0023	<0.0021	<0.0022	<0.0022	<0.0023	<0.0023	<0.0023	<0.0024
Fluorene	mg/kg	30,100	2,390	14.8299		<0.0023	<0.0021	<0.0023	<0.0023	<0.0023	<0.0024	<0.0024	<0.0024
Indeno(1,2,3-cd)pyrene	mg/kg	21.1	1.15			<0.0040	<0.0037	<0.0039	<0.0039	<0.0040	<0.0041	<0.0041	<0.0041
Naphthalene	mg/kg	26.0	5.2	0.66		<0.0019	<0.0017	<0.0018	<0.0018	<0.0019	<0.0019	<0.0019	<0.0020
Phenanthrene	mg/kg					<0.0022	<0.0020	<0.0021	<0.0021	<0.0022	<0.0023	<0.0023	<0.0023
Pyrene	mg/kg	22,600	1,790	54.5455		<0.0028	<0.0026	<0.0028	<0.0027	<0.0028	<0.0029	<0.0029	<0.0029
RCRA Metals													
Arsenic	mg/kg	3.0	0.677	0.5484	8.3	3.8J	<7.4	4.0J	<3.0	4.1J	<3.5	4.9	<3.3
Barium	mg/kg	100,000	15,300	164.8	364	47.7	11.7	31.5	45.5	55.7	33.2	48	67.6
Cadmium	mg/kg	985	71.1	0.752	1.07	<0.30	<0.67	0.34J	0.33J	0.29J	0.33J	0.37J	0.34J
Chromium	mg/kg			360,000	43.5	16.7	13.5	10.3	12.4	17.4	9.0	15.3	17.9
Lead	mg/kg	800	400	27.0	51.6	7.6	12.9	4.4J	6.0	7.4	5.2	6.4	8.1
Selenium	mg/kg	5,840	391	0.52		<3.0	<6.6	<2.9	<2.7	<2.8	<3.1	<1.5	<2.9
Silver	mg/kg	5840	391	0.85		<0.70	<1.6	<0.68	<0.63	<0.67	<0.73	<0.36	<0.68
Mercury	mg/kg	3.13	3.13	0.208		0.016J	<0.010	<0.011	<0.011	0.017J	<0.012	<0.012	<0.012
Volatile Organic Compounds (VOCs)													
1,1,1,2-Tetrachloroethane	mg/kg	12.3	2.8	0.053		<0.0155	<0.0133	<0.015	<0.0148	<0.0154	<0.0164	<0.0163	<0.0168
1,1,1-Trichloroethane	mg/kg	640	640	0.14		<0.0165	<0.0142	<0.0159	<0.0158	<0.0164	<0.0175	<0.0174	<0.0179
1,1,2,2-Tetrachloroethane	mg/kg	3.6	0.81	0.0002		<0.0234	<0.0201	<0.0225	<0.0224	<0.0232	<0.0247	<0.0246	<0.0253
1,1,2-Trichloroethane	mg/kg	7.0	1.6	0.0032		<0.0235	<0.0202	<0.0227	<0.0225	<0.0233	<0.0248	<0.0248	<0.0254
1,1-Dichloroethane	mg/kg	22.2	5.1	0.48		<0.0165	<0.0142	<0.0159	<0.0158	<0.0164	<0.0175	<0.0174	<0.0179
1,1-Dichloroethene	mg/kg		320	0.005		<0.0214	<0.0184	<0.0207	<0.0205	<0.0212	<0.0226	<0.0226	<0.0232
1,2,3-Trichlorobenzene	mg/kg	934	62.6			<0.0719	<0.0619	<0.0694	<0.0688	<0.0713	<0.076	<0.0758	<0.0779
1,2,3-Trichloropropane	mg/kg	0.11	0.005	0.052		<0.0314	<0.027	<0.0303	<0.03	<0.0311	<0.0331	<0.0331	<0.034
1,2,4-Trichlorobenzene	mg/kg	113	24	0.41		<0.0532	<0.0458	<0.0513	<0.0509	<0.0527	<0.0562	<0.056	<0.0576
1,2,4-Trimethylbenzene	mg/kg	219	219	1.4		<0.0192	<0.0166	<0.0186	<0.0184	<0.0191	<0.0203	<0.0203	<0.0208
1,2-Dibromo-3-chloropropane	mg/kg	0.092	0.008	0.0002		<0.0501	<0.0431	<0.0483	<0.0479	<0.0497	<0.0529	<0.0528	<0.0542
1,2-Dibromoethane (EDB)	mg/kg		0.05	0.000028		<0.0177	<0.0152	<0.0171	<0.0169	<0.0175	<0.0187	<0.0186	<0.0191
1,2-Dichlorobenzene	mg/kg	376	376	1.2		<0.02	<0.0172	<0.0193	<0.0191	<0.0198	<0.0211	<0.0211	<0.0217
1,2-Dichloroethane	mg/kg	2.9	0.65	0.0028		<0.0149	<0.0128	<0.0143	<0.0142	<0.0147	<0.0157	<0.0156	<0.0161
1,2-Dichloropropane	mg/kg	15	3.4	0.0033		<0.0154	<0.0132	<0.0148	<0.0147	<0.0152	<0.0162	<0.0162	<0.0166
1,3,5-Trimethylbenzene	mg/kg	182	182	1.4		<0.0208	<0.0179	<0.0201	<0.0199	<0.0206	<0.022	<0.0219	<0.0225
1,3-Dichlorobenzene	mg/kg	297	297	1.2		<0.0177	<0.0152	<0.0171	<0.0169	<0.0175	<0.0187	<0.0186	<0.0191
1,3-Dichloropropane	mg/kg	1,490	1,490			<0.0141	<0.0121	<0.0136	<0.0135	<0.0139	<0.0149	<0.0148	<0.0152
1,4-Dichlorobenzene	mg/kg		3.7	0.14		<0.0177	<0.0152	<0.0171	<0.0169	<0.0175	<0.0187	<0.0186	<0.0191
2,2-Dichloropropane	mg/kg	191	527			<0.0174	<0.015	<0.0168	<0.0167	<0.0173	<0.0184	<0.0184	<0.0189
2-Chlorotoluene	mg/kg	907	907			<0.0209	<0.018	<0.0202	<0.02	<0.0207	<0.0221	<0.022	<0.0226
4-Chlorotoluene	mg/kg	253	253			<0.0245	<0.0211	<0.0237	<0.0235	<0.0243	<0.0259	<0.0258	<0.0266
Benzene	mg/kg	7.1	1.6	0.0052		<0.0154	<0.0132	<0.0148	<0.0147	<0.0152	<0.0162	<0.0162	<0.0166
Bromobenzene	mg/kg	679	342			<0.0252	<0.0217	<0.0243	<0.0241	<0.025	<0.0266	<0.0265	<0.0273
Bromochloromethane	mg/kg	906	216			<0.0177	<0.0152	<0.0171	<0.0169	<0.0175	<0.0187	<0.0186	<0.0191
Bromodichloromethane	mg/kg	1.8	0.42	0.0004		<0.0154	<0.0132	<0.0148	<0.0147	<0.0152	<0.0162	<0.0162	<0.0166
Bromoform	mg/kg	113	25.4	0.0024		<0.284	<0.244	<0.274	<0.272	<0.282	<0.3	<0.299	<0.308
Bromomethane	mg/kg	43	9.6	0.005		<0.0905	<0.0779	<0.0873	<0.0866	<0.0897	<0.0956	<0.0954	<0.098
Carbon tetrachloride	mg/kg	4.0	0.92	0.0038		<0.0142	<0.0122	<0.0137	<0.0136	<0.0141	<0.015	<0.015	<0.0154
Chlorobenzene	mg/kg	761	370	0.14		<0.077	<0.0667	<0.075	<0.074	<0.077	<0.088	<0.0881	<0.094
Chloroethane	mg/kg	2,120	2,120	0.23		<0.0273	<0.0234	<0.0263	<0.0261	<0.027	<0.0288	<0.0287	<0.0295
Chloroform	mg/kg	2.0	0.45	0.0034		<0.0462	<0.0398	<0.0446	<0.0442	<0.0458	<0.0488	<0.0487	<0.05
Chloromethane	mg/kg	669	159	0.016		<0.0245	<0.0211	<0.0237	<0.0235	<0.0243	<0.0259	<0.0258	<0.0266
Dibromochloromethane	mg/kg	38.9	8.3	0.032		<0.221	<0.19	<0.213	<0.211	<0.219	<0.233	<0.232	<0.239
Dibromomethane	mg/kg	143	34			<0.0191	<0.0164	<0.0184	<0.0183	<0.0189	<0.0202	<0.0201	<0.0207
Dichlorodifluoromethane	mg/kg	530	126	3.1		<0.0278	<0.0239	<0.0268	<0.0266	<0.0275	<0.0293	<0.0292	<0.0301
Diisopropyl ether	mg/kg	2,260	2,260			<0.016	<0.0138	<0.0154	<0.0153	<0.0159	<0.0169	<0.0169	<0.0173
Ethylbenzene	mg/kg	35.4	8.0	1.6		<0.0154	<0.0132	<0.0148	<0.147	<0.0152	<0.0162	<0.016	



Table A.1.i: TCLP Soil Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	TCLP Limit	SB-4 (10-12')
Trichloroethene	mg/L	0.5	0.15

NOTES:

Concentrations equal to or exceeding the TCLP Standards are in **bold**

TCLP= Toxicity Characteristic Leaching Procedure

mg/L=milligrams per Liter

Sample Date: October 21, 2021



Table A.2: Groundwater Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Table with 10 columns: Parameter, Units, ch. NR 140 GW Quality Enforcement Standards, ch. NR 140 GW Quality Preventive Action Limits, TW-1, TW-2, TW-3, TW-4, TW-8, TW-9. Rows include Polynuclear Aromatic Hydrocarbons (PAHs), RCRA Metals, and Volatile Organic Compounds (VOCs).

NOTES:

Only analytes with a detection in at least one sample are shown

NA = Not Analyzed

ug/kg = micrograms per kilogram

Concentrations equal to or exceeding the WI NR 140 GW Quality Enforcement Standards are bold faced

Concentrations equal to or exceeding the WI NR 140 GW Quality Preventive Action Limits are bold faced

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

* ch. NR 140.14(3): if the preventive action limit or enforcement standard is between the limit of detection (LOD) and the limit of quantitation (LOQ), the regulatory agency shall consider the preventive action limit (PAL) or enforcement standard (ES) to be attained or exceeded if the concentration of a substance is reported at or above the LOQ. The PAL or ES is not exceeded as the value of the estimated concentration is below the LOQ.



Table A.2: Groundwater Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 140 GW Quality Enforcement Standards	ch. NR 140 GW Quality Preventive Action Limits	TW-10	TW-11	TW-12	TW-14	MSB6
Sample Date:				10/26/2021		10/26/2021		
Polynuclear Aromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	ug/L			<0.017	0.023 J	<0.017	<0.017	<0.017
2-Methylnaphthalene	ug/L			<0.013	0.024 J	<0.013	<0.013	0.022 J
Acenaphthene	ug/L			<0.013	<0.014	<0.013	<0.013	<0.013
Acenaphthylene	ug/L			<0.012	<0.012	<0.012	<0.012	<0.012
Anthracene	ug/L	3,000	600	<0.017	<0.018	<0.018	<0.018	<0.017
Benzo(a)anthracene	ug/L			<0.013	<0.013	<0.013	0.014 J	<0.013
Benzo(a)pyrene	ug/L	0.2	0.02	<0.018	<0.019	<0.019	<0.019	<0.018
Benzo(b)fluoranthene	ug/L	0.2	0.02	<0.018	<0.019	<0.019	0.026	<0.018
Benzo(g,h,i)perylene	ug/L			<0.022	<0.023	<0.022	<0.022	<0.022
Benzo(k)fluoranthene	ug/L			<0.021	<0.022	<0.021	<0.021	<0.021
Chrysene	ug/L	0.2	0.02	<0.025	<0.026	<0.025	0.026	<0.025
Dibenz(a,h)anthracene	ug/L			<0.017	<0.018	<0.017	<0.017	<0.016
Fluoranthene	ug/L	400	80	<0.024	<0.026	<0.025	0.056	<0.024
Fluorene	ug/L	400	80	<0.022	<0.023	<0.022	<0.023	<0.022
Indeno(1,2,3-cd)pyrene	ug/L			<0.014	<0.015	<0.015	<0.015	<0.014
Naphthalene	ug/L	100	10	<0.019	0.053	0.023 J	0.042 J	0.035 J
Phenanthrene	ug/L			<0.024	0.038 J	<0.024	0.036 J	<0.024
Pyrene	ug/L	250	50	<0.021	0.023 J	<0.022	0.042 J	<0.021
RCRA Metals								
Arsenic, Dissolved	ug/L	10	1.0	<8.3	<8.3	<8.3	<8.3	<8.3
Barium, Dissolved	ug/L	2000	400	315	125	420	40.5	53.5
Cadmium, Dissolved	ug/L	5.0	0.5	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium, Dissolved	ug/L	100	10	<2.5	3.2 J	<2.5	<2.5	<2.5
Lead, Dissolved	ug/L	15	1.5	<5.9	8.0	<5.9	<5.9	<5.9
Selenium, Dissolved	ug/L	50	10	<12.2	<12.2	<12.2	<12.2	<12.2
Silver, Dissolved	ug/L	50	10	<3.2	<3.2	<3.2	<3.2	<3.2
Mercury, Dissolved	ug/L	2.0	0.2	<0.066	<0.066	<0.066	<0.066	<0.066
Volatile Organic Compounds (VOCs)								
1,4-Dioxane (SIM)	ug/L	3.0	0.3	<0.23	<0.23	0.44 J*	0.31 J*	0.28 J*
1,1,1,2-Tetrachloroethane	ug/L	70	7.0	<0.71	<0.36	<0.36	<0.36	<0.71
1,1,1-Trichloroethane	ug/L	200	40	3.0	<0.30	<0.30	<0.30	0.91 J
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	<0.76	<0.38	<0.38	<0.38	<0.76
1,1,2-Trichloroethane	ug/L	5.0	0.5	<0.69	<0.34	<0.34	<0.34	<0.69
1,1-Dichloroethane	ug/L	850	85	26.9	32.3	<0.30	<0.30	1.2 J
1,1-Dichloroethene	ug/L	7.0	0.7	2.5	<0.58	<0.58	<0.58	<1.2
1,1-Dichloropropene	ug/L			<0.82	<0.41	<0.41	<0.41	<0.82
1,2,3-Trichlorobenzene	ug/L			<2.0	<1.0	<1.0	<1.0	<2.0
1,2,3-Trichloropropane	ug/L	60	12	<1.1	<0.56	<0.56	<0.56	<1.1
1,2,4-Trichlorobenzene	ug/L	70	14	<1.9	<0.95	<0.95	<0.95	<1.9
1,2,4-Trimethylbenzene	ug/L	480	96	<0.90	<0.45	<0.45	<0.45	<0.90
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	<4.7	<2.4	<2.4	<2.4	<4.7
1,2-Dibromoethane (EDB)	ug/L	0.05	0.005	<0.62	<0.31	<0.31	<0.31	<0.62
1,2-Dichlorobenzene	ug/L	600	60	<0.65	<0.33	<0.33	<0.33	<0.65
1,2-Dichloroethane	ug/L	5.0	0.5	<0.58	<0.29	<0.29	<0.29	<0.58
1,2-Dichloropropane	ug/L	5.0	0.5	<0.90	<0.45	<0.45	<0.45	<0.90
1,3,5-Trimethylbenzene	ug/L	480	96	<0.71	<0.36	<0.36	<0.36	<0.71
1,3-Dichlorobenzene	ug/L	600	120	<0.70	<0.35	<0.35	<0.35	<0.70
1,3-Dichloropropane	ug/L			<0.61	<0.30	<0.30	<0.30	<0.61
1,4-Dichlorobenzene	ug/L	75	15	<1.8	<0.89	<0.89	<0.89	<1.8
2,2-Dichloropropane	ug/L			<8.4	<4.2	<4.2	<4.2	<8.4
2-Chlorotoluene	ug/L			<1.8	<0.89	<0.89	<0.89	<1.8
4-Chlorotoluene	ug/L			<1.8	<0.89	<0.89	<0.89	<1.8
Benzene	ug/L	5.0	0.5	<0.59	<0.30	<0.30	<0.30	<0.59
Bromobenzene	ug/L			<0.72	<0.36	<0.36	<0.36	<0.72
Bromochloromethane	ug/L			<0.72	<0.36	<0.36	<0.36	<0.72
Bromodichloromethane	ug/L	0.6	0.06	<0.83	<0.42	<0.42	<0.42	<0.83
Bromoform	ug/L	4.4	0.44	<7.6	<3.8	<3.8	<3.8	<7.6
Bromomethane	ug/L	10	1.0	<2.4	<1.2	<1.2	<1.2	<2.4
Carbon tetrachloride	ug/L	5.0	0.5	<0.74	<0.37	<0.37	<0.37	<0.74
Chlorobenzene	ug/L	100	20	<1.7	<0.86	<0.86	<0.86	<1.7
Chloroethane	ug/L	400	80	<2.8	<1.4	<1.4	<1.4	<2.8
Chloroform	ug/L	6.0	0.6	<2.4	<1.2	<1.2	<1.2	<2.4
Chloromethane	ug/L	30	3.0	<3.3	<1.6	<1.6	<1.6	<3.3
Dibromochloromethane	ug/L	60	6.0	<5.3	<2.6	<2.6	<2.6	<5.3
Dibromomethane	ug/L			<2.0	<0.99	<0.99	<0.99	<2.0
Dichlorodifluoromethane	ug/L	1,000	200	<0.91	<0.46	<0.46	<0.46	<0.91
Diisopropyl ether	ug/L			<2.2	<1.1	<1.1	<1.1	<2.2
Ethylbenzene	ug/L	700	140	<0.65	<0.33	<0.33	<0.33	<0.65
Hexachloro-1,3-butadiene	ug/L			<5.5	<2.7	<2.7	<2.7	<5.5
Isopropylbenzene (Cumene)	ug/L			<2.0	<1.0	<1.0	<1.0	<2.0
Methyl-tert-butyl ether	ug/L	60	12	<2.3	<1.1	<1.1	<1.1	<2.3
Methylene Chloride	ug/L	5.0	0.5	<0.64	<0.32	<0.32	<0.32	<0.64
Naphthalene	ug/L	100	10	<2.3	<1.1	<1.1	<1.1	<2.3
Styrene	ug/L	100	10	<0.71	<0.36	<0.36	<0.36	<0.71
Tetrachloroethene	ug/L	5.0	0.5	<0.82	<0.41	<0.41	<0.41	<0.82
Toluene	ug/L	800	160	<0.58	<0.29	<0.29	<0.29	<0.58
Trichloroethene	ug/L	5.0	0.5	206	2.2	<0.32	<0.32	259
Trichlorofluoromethane	ug/L	3,490	698	<0.84	<0.42	<0.42	<0.42	<0.84
Vinyl chloride	ug/L	0.2	0.02	134	1.9	<0.17	<0.17	1.0
cis-1,2-Dichloroethene	ug/L	70	7.0	284	24.5	<0.47	<0.47	14.5
cis-1,3-Dichloropropene	ug/L	0.4	0.04	<0.72	<0.36	<0.36	<0.36	<0.72
m&p-Xylene	ug/L			<1.4	<0.70	<0.70	<0.70	<1.4
n-Butylbenzene	ug/L			<1.7	<0.86	<0.86	<0.86	<1.7
n-Propylbenzene	ug/L			<0.69	<0.35	<0.35	<0.35	<0.69
o-Xylene	ug/L			<0.70	<0.35	<0.35	<0.35	<0.70
p-Isopropyltoluene	ug/L			<2.1	<1.0	<1.0	<1.0	<2.1
sec-Butylbenzene	ug/L			<0.85	<0.42	<0.42	<0.42	<0.85
tert-Butylbenzene	ug/L			<1.2	<0.59	<0.59	<0.59	<1.2
trans-1,2-Dichloroethene	ug/L	100	20	10.2	2.5	<0.53	<0.53	3.8
trans-1,3-Dichloropropene	ug/L	0.4	0.04	<6.9	<3.5	<3.5	<3.5	<6.9

NOTES:

Only analytes with a detection in at least one sample are shown

NA = Not Analyzed

ug/kg = micrograms per kilogram

Concentrations equal to or exceeding the WI NR 140 GW Quality Enforcement Standards are **bold faced**

Concentrations equal to or exceeding the WI NR 140 GW Quality Preventive Action Limits are **bold faced**

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.



Table A.2: Groundwater Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 140 GW Quality Enforcement Standards	ch. NR 140 GW Quality Preventive Action Limits	MW-2	MW-20	MW21	MW22	MW23
				Sample Date: 3/29/				
Polynuclear Aromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	ug/L			<0.016	<0.047	0.12	<0.17	0.29
2-Methylnaphthalene	ug/L			<0.013	<0.089	0.2	<0.13	0.031J
Acenaphthene	ug/L			<0.013	<0.034J	0.05	<0.13	0.028J
Acenaphthylene	ug/L			<0.012	<0.011	0.012J	<0.12	0.013J
Anthracene	ug/L	3,000	600	<0.017	0.15	0.12	1.6	<0.017
Benzo(a)anthracene	ug/L			<0.012	0.096	0.21	<0.13	0.021J
Benzo(a)pyrene	ug/L	0.2	0.02	<0.018	0.18	0.33	<0.19	<0.018
Benzo(b)fluoranthene	ug/L	0.2	0.02	<0.020	0.3	0.61	<0.19	<0.018
Benzo(g,h,i)perylene	ug/L			<0.021	0.21	0.38	<0.23	<0.022
Benzo(k)fluoranthene	ug/L			<0.020	0.13	0.26	<0.22	<0.021
Chrysene	ug/L	0.2	0.02	<0.024	0.38	0.6	1.2	0.043J
Dibenz(a,h)anthracene	ug/L			<0.016	0.037J	0.071	<0.17	<0.016
Fluoranthene	ug/L	400	80	<0.024	0.65	1.2	<0.25	0.03J
Fluorene	ug/L	400	80	<0.022	0.039J	0.057	0.6	0.06
Indeno(1,2,3-cd)pyrene	ug/L			<0.014	0.15	0.28	<0.15	<0.014
Naphthalene	ug/L	100	10	<0.018	0.049	0.11	<0.19	0.024J
Phenanthrene	ug/L			<0.023	0.42	0.74	<0.25	0.087
Pyrene	ug/L	250	50	<0.021	0.5	0.89	0.35J	0.031J
RCRA Metals								
Arsenic, Dissolved	ug/L	10	1.0	<8.3	<8.3	<8.3	<8.3	<8.3
Barium, Dissolved	ug/L	2000	400	90	92.4	12.7	4.8J	161
Cadmium, Dissolved	ug/L	5.0	0.5	<1.3	<1.3	<1.3	<1.3	<1.3
Chromium, Dissolved	ug/L	100	10	9.3J	23.3	3.1J	<2.5	31.2
Lead, Dissolved	ug/L	15	1.5	<5.9	8.9J	<5.9	<5.9	6.4J
Selenium, Dissolved	ug/L	50	10	<12.2	<12.2	<12.2	<12.2	<12.2
Silver, Dissolved	ug/L	50	10	<3.2	<3.2	<3.2	<3.2	<3.2
Mercury, Dissolved	ug/L	2.0	0.2	<0.066	<0.066	<0.066	<0.066	<0.066
Volatile Organic Compounds (VOCs)								
1,4-Dioxane (SIM)	ug/L	3.0	0.3	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	ug/L	70	7.0	<0.36	<0.36	<0.36	<0.36	<0.36
1,1,1-Trichloroethane	ug/L	200	40	0.61J	<0.30	<0.30	<0.30	<0.30
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	ug/L	5.0	0.5	<0.34	<0.34	<0.34	<0.34	<0.34
1,1-Dichloroethane	ug/L	850	85	0.55J	<0.30	<0.30	<0.30	<0.30
1,1-Dichloroethene	ug/L	7.0	0.7	<0.58	<0.58	<0.58	<0.58	<0.58
1,1-Dichloropropene	ug/L			<0.41	<0.41	<0.41	<0.41	<0.41
1,2,3-Trichlorobenzene	ug/L			<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	ug/L	60	12	<0.56	<0.56	<0.56	<0.56	<0.56
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	<0.45	<0.45	<0.45	<0.45	0.51J
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	<2.4	<2.4	<2.4	<2.4	<2.4
1,2-Dibromoethane (EDB)	ug/L	0.05	0.005	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	ug/L	600	60	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichloroethane	ug/L	5.0	0.5	<0.29	<0.29	<0.29	<0.29	<0.29
1,2-Dichloropropane	ug/L	5.0	0.5	<0.45	<0.45	<0.45	<0.45	<0.45
1,3,5-Trimethylbenzene	ug/L	480	96	<0.36	<0.36	<0.36	<0.36	<0.36
1,3-Dichlorobenzene	ug/L	600	120	<0.35	<0.35	<0.35	<0.35	<0.35
1,3-Dichloropropane	ug/L			<0.30	<0.30	<0.30	<0.30	<0.30
1,4-Dichlorobenzene	ug/L	75	15	<0.89	<0.89	<0.89	<0.89	<0.89
2,2-Dichloropropane	ug/L			<4.2	<4.2	<4.2	<4.2	<4.2
2-Chlorotoluene	ug/L			<0.89	<0.89	<0.89	<0.89	<0.89
4-Chlorotoluene	ug/L			<0.89	<0.89	<0.89	<0.89	<0.89
Benzene	ug/L	5.0	0.5	<0.30	<0.30	<0.30	<0.30	0.37J
Bromobenzene	ug/L			<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	ug/L			<0.36	<0.36	<0.36	<0.36	<0.36
Bromodichloromethane	ug/L	0.6	0.06	<0.42	<0.42	<0.42	<0.42	<0.42
Bromoform	ug/L	4.4	0.44	<3.8	<3.8	<3.8	<3.8	<3.8
Bromomethane	ug/L	10	1.0	<1.2	<1.2	<1.2	<1.2	<1.2
Carbon tetrachloride	ug/L	5.0	0.5	<0.37	<0.37	<0.37	<0.37	<0.37
Chlorobenzene	ug/L	100	20	<0.86	<0.86	<0.86	<0.86	<0.86
Chloroethane	ug/L	400	80	<1.4	<1.4	<1.4	<1.4	<1.4
Chloroform	ug/L	6.0	0.6	<1.2	<1.2	<1.2	<1.2	<1.2
Chloromethane	ug/L	30	3.0	<1.6	<1.6	<1.6	<1.6	<1.6
Dibromochloromethane	ug/L	60	6.0	<2.6	<2.6	<2.6	<2.6	<2.6
Dibromomethane	ug/L			<0.99	<0.99	<0.99	<0.99	<0.99
Dichlorodifluoromethane	ug/L	1,000	200	<0.46	<0.46	<0.46	<0.46	<0.46
Diisopropyl ether	ug/L			<1.1	<1.1	<1.1	<1.1	<1.1
Ethylbenzene	ug/L	700	140	<0.33	0.37J	0.35J	<0.33	0.56J
Hexachloro-1,3-butadiene	ug/L			<2.7	<2.7	<2.7	<2.7	<2.7
Isopropylbenzene (Cumene)	ug/L			<1.0	<1.0	<1.0	<1.0	<1.0
Methyl-tert-butyl ether	ug/L	60	12	<1.1	<1.1	<1.1	<1.1	<1.1
Methylene Chloride	ug/L	5.0	0.5	<0.32	<0.32	<0.32	<0.32	<0.32
Naphthalene	ug/L	100	10	<1.1	<1.1	<1.1	<1.1	<1.1
Styrene	ug/L	100	10	<0.36	<0.36	<0.36	<0.36	<0.36
Tetrachloroethene	ug/L	5.0	0.5	<0.41	<0.41	<0.41	<0.41	<0.41
Toluene	ug/L	800	160	<0.29	4.4	2.9	0.56J	5.6
Trichloroethene	ug/L	5.0	0.5	203	<0.32	0.88J	<0.32	139
Trichlorofluoromethane	ug/L	3,490	698	<0.42	<0.42	<0.42	<0.42	<0.42
Vinyl chloride	ug/L	0.2	0.02	<0.17	<0.17	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	ug/L	70	7.0	5.2	<0.47	<0.47	<0.47	2.5
cis-1,3-Dichloropropene	ug/L	0.4	0.04	<0.36	<0.36	<0.36	<0.36	<0.36
m&p-Xylene	ug/L			<0.70	0.72J	0.78J	<0.70	1.4J
n-Butylbenzene	ug/L			<0.86	<0.86	<0.86	<0.86	<0.86
n-Propylbenzene	ug/L			<0.35	<0.35	<0.35	<0.35	<0.35
o-Xylene	ug/L			<0.35	<0.35	0.44J	<0.35	0.78J
p-Isopropyltoluene	ug/L			<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	ug/L			<0.42	<0.42	<0.42	<0.42	<0.42
tert-Butylbenzene	ug/L			<0.59	<0.59	<0.59	<0.59	<0.59
trans-1,2-Dichloroethene	ug/L	100	20	1.0J	<0.53	<0.53	<0.53	<0.53
trans-1,3-Dichloropropene	ug/L	0.4	0.04	<3.5	<3.5	<3.5	<3.5	<3.5

NOTES:
Only analytes with a detection in at least one sample are shown
NA = Not Analyzed
ug/kg = micrograms per kilogram
Concentrations equal to or exceeding the WI NR 140 GW Quality Enforcement Standards are bold faced
Concentrations equal to or exceeding the WI NR 140 GW Quality Preventive Action Limits are bold faced
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.



Table A.2: Groundwater Analytical Results
Former Mercury Marine
N49W6337 Western Road, Cedarburg, Wisconsin

Parameter	Units	ch. NR 140 GW Quality Enforcement Standards	ch. NR 140 GW Quality Preventive Action Limits	MW24	MW25	MW26	PZ-23	PZ-24
Sample Date: 2022								
Polynuclear Aromatic Hydrocarbons (PAHs)								
1-Methylnaphthalene	ug/L			0.16	0.23	0.022J	NA	NA
2-Methylnaphthalene	ug/L			0.17	0.44	0.032J	NA	NA
Acenaphthene	ug/L			<0.012	<0.013	<0.013	NA	NA
Acenaphthylene	ug/L			<0.011	<0.012	<0.012	NA	NA
Anthracene	ug/L	3,000	600	<0.016	<0.017	<0.017	NA	NA
Benzo(a)anthracene	ug/L			0.016J	0.013J	0.019J	NA	NA
Benzo(a)pyrene	ug/L	0.2	0.02	<0.017	<0.018	<0.018	NA	NA
Benzo(b)fluoranthene	ug/L	0.2	0.02	0.018J	<0.018	0.021J	NA	NA
Benzo(g,h,i)perylene	ug/L			<0.021	<0.022	<0.022	NA	NA
Benzo(k)fluoranthene	ug/L			<0.20	<0.021	<0.021	NA	NA
Chrysene	ug/L	0.2	0.02	0.041J	0.025J	0.046J	NA	NA
Dibenz(a,h)anthracene	ug/L			<0.016	<0.017	<0.017	NA	NA
Fluoranthene	ug/L	400	80	0.028J	0.034J	0.039J	NA	NA
Fluorene	ug/L	400	80	<0.021	0.023J	0.024J	NA	NA
Indeno(1,2,3-cd)pyrene	ug/L			<0.014	<0.015	<0.014	NA	NA
Naphthalene	ug/L	100	10	0.19	0.32	0.039J	NA	NA
Phenanthrene	ug/L			0.033J	0.039J	0.031J	NA	NA
Pyrene	ug/L	250	50	0.033J	0.028J	0.037J	NA	NA
RCRA Metals								
Arsenic, Dissolved	ug/L	10	1.0	8.9J	<8.3	32.6J	NA	NA
Barium, Dissolved	ug/L	2000	400	507	207	501	NA	NA
Cadmium, Dissolved	ug/L	5.0	0.5	1.7J	<1.3	4.9J	NA	NA
Chromium, Dissolved	ug/L	100	10	33.3	16.1	160	NA	NA
Lead, Dissolved	ug/L	15	1.5	20.5	7.9J	125	NA	NA
Selenium, Dissolved	ug/L	50	10	<12.2	<12.2	<24.5	NA	NA
Silver, Dissolved	ug/L	50	10	<3.2	<3.2	<6.4	NA	NA
Mercury, Dissolved	ug/L	2.0	0.2	<0.066	<0.066	0.091J	NA	NA
Volatile Organic Compounds (VOCs)								
1,4-Dioxane (SIM)	ug/L	3.0	0.3	NA	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	ug/L	70	7.0	<0.36	<0.36	<0.36	<0.36	<0.36
1,1,1-Trichloroethane	ug/L	200	40	1.2	<0.30	<0.30	<0.30	5.1
1,1,2,2-Tetrachloroethane	ug/L	0.2	0.02	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	ug/L	5.0	0.5	<0.34	<0.34	<0.34	<0.34	<0.34
1,1-Dichloroethane	ug/L	850	85	18.2	<0.30	0.58J	<0.30	11.5
1,1-Dichloroethene	ug/L	7.0	0.7	1.1	<0.58	<0.58	<0.58	<0.58
1,1-Dichloropropene	ug/L			<0.41	<0.41	<0.41	<0.41	<0.41
1,2,3-Trichlorobenzene	ug/L			<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	ug/L	60	12	<0.56	<0.56	<0.56	<0.56	<0.56
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	1.4	1.8	<0.45	1.2	<0.45
1,2-Dibromo-3-chloropropane	ug/L	0.2	0.02	<2.4	<2.4	<2.4	<2.4	<2.4
1,2-Dibromoethane (EDB)	ug/L	0.05	0.005	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	ug/L	600	60	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichloroethane	ug/L	5.0	0.5	<0.29	<0.29	<0.29	<0.29	<0.29
1,2-Dichloropropane	ug/L	5.0	0.5	<0.45	<0.45	<0.45	<0.45	<0.45
1,3,5-Trimethylbenzene	ug/L	480	96	0.46J	0.60J	<0.36	<0.36	<0.36
1,3-Dichlorobenzene	ug/L	600	120	<0.35	<0.35	<0.35	<0.35	<0.35
1,3-Dichloropropane	ug/L			<0.30	<0.30	<0.30	<0.30	<0.30
1,4-Dichlorobenzene	ug/L	75	15	<0.89	<0.89	<0.89	<0.89	<0.89
2,2-Dichloropropane	ug/L			<4.2	<4.2	<4.2	<4.2	<4.2
2-Chlorotoluene	ug/L			<0.89	<0.89	<0.89	<0.89	<0.89
4-Chlorotoluene	ug/L			<0.89	<0.89	<0.89	<0.89	<0.89
Benzene	ug/L	5.0	0.5	1.2	0.33J	0.39J	<0.30	<0.30
Bromobenzene	ug/L			<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	ug/L			<0.36	<0.36	<0.36	<0.36	<0.36
Bromodichloromethane	ug/L	0.6	0.06	<0.42	<0.42	<0.42	<0.42	<0.42
Bromoform	ug/L	4.4	0.44	<3.8	<3.8	<3.8	<3.8	<3.8
Bromomethane	ug/L	10	1.0	<1.2	<1.2	<1.2	<1.2	<1.2
Carbon tetrachloride	ug/L	5.0	0.5	<0.37	<0.37	<0.37	<0.37	<0.37
Chlorobenzene	ug/L	100	20	<0.86	<0.86	<0.86	<0.86	<0.86
Chloroethane	ug/L	400	80	<1.4	<1.4	<1.4	<1.4	1.8J
Chloroform	ug/L	6.0	0.6	<1.2	<1.2	<1.2	<1.2	<1.2
Chloromethane	ug/L	30	3.0	<1.6	<1.6	<1.6	<1.6	<1.6
Dibromochloromethane	ug/L	60	6.0	<2.6	<2.6	<2.6	<2.6	<2.6
Dibromomethane	ug/L			<0.99	<0.99	<0.99	<0.99	<0.99
Dichlorodifluoromethane	ug/L	1,000	200	<0.46	<0.46	<0.46	<0.46	<0.46
Diisopropyl ether	ug/L			<1.1	<1.1	<1.1	<1.1	<1.1
Ethylbenzene	ug/L	700	140	1.5	1.3	<0.33	0.51J	<0.33
Hexachloro-1,3-butadiene	ug/L			<2.7	<2.7	<2.7	<2.7	<2.7
Isopropylbenzene (Cumene)	ug/L			<1.0	<1.0	<1.0	<1.0	<1.0
Methyl-tert-butyl ether	ug/L	60	12	<1.1	<1.1	<1.1	<1.1	<1.1
Methylene Chloride	ug/L	5.0	0.5	<0.32	<0.32	<0.32	<0.32	<0.32
Naphthalene	ug/L	100	10	<1.1	<1.1	<1.1	<1.1	<1.1
Styrene	ug/L	100	10	<0.36	<0.36	<0.36	<0.36	<0.36
Tetrachloroethene	ug/L	5.0	0.5	<0.41	<0.41	<0.41	<0.41	<0.41
Toluene	ug/L	800	160	25.3	10.4	2.1	1.3	<0.29
Trichloroethene	ug/L	5.0	0.5	8.9	<0.32	48.7	120	52.6
Trichlorofluoromethane	ug/L	3,490	698	<0.42	<0.42	<0.42	<0.42	<0.42
Vinyl chloride	ug/L	0.2	0.02	33.4	<0.17	<0.17	<0.17	95
cis-1,2-Dichloroethene	ug/L	70	7.0	58	<0.47	2.5	1.9	65
cis-1,3-Dichloropropene	ug/L	0.4	0.04	<0.36	<0.36	<0.36	<0.36	<0.36
m&p-Xylene	ug/L			4.8	4	<0.70	1.6J	<0.70
n-Butylbenzene	ug/L			<0.86	<0.86	<0.86	<0.86	<0.86
n-Propylbenzene	ug/L			<0.35	0.45J	<0.35	<0.35	<0.35
o-Xylene	ug/L			2.6	1.6	<0.35	0.63J	<0.35
p-Isopropyltoluene	ug/L			<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	ug/L			<0.42	<0.42	<0.42	<0.42	<0.42
tert-Butylbenzene	ug/L			<0.59	<0.59	<0.59	<0.59	<0.59
trans-1,2-Dichloroethene	ug/L	100	20	2.8	<0.53	0.53J	<0.53	2.9
trans-1,3-Dichloropropene	ug/L	0.4	0.04	<3.5	<3.5	<3.5	<3.5	<3.5

NOTES:

Only analytes with a detection in at least one sample are shown

NA = Not Analyzed

ug/kg = micrograms per kilogram

Concentrations equal to or exceeding the WI NR 140 GW Quality Enforcement Standards are **bold faced**

Concentrations equal to or exceeding the WI NR 140 GW Quality Preventive Action Limits are **bold faced**

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.



Parameter	Residential Sub-Slab Vapor Risk Screening Level (ug/m3)	VP-1	VP-2	VP-3	VP-4	VP-5	VP-6	VP-7	VP-8	VP-9	VP-10	VP-11	VP-12
Attenuation Factor	0.03												
Date Sampled		3/7/2022	3/7/2022	3/7/2022	3/7/2022	3/7/2022	3/7/2022	3/7/2022	3/7/2022	3/8/2022	3/8/2022	3/8/2022	3/8/2022
Regulated Fill Time		30 Min	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min	30 Min
Structure/Location Sampled		Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab	Sub-slab
Media		Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor	Vapor
1,1,1-Trichloroethane	170,000	2.10	2.0J	<0.35	<0.35	<0.34	<.69J	<1.7	<0.33	21.70	<0.33	<0.33	<0.35
1,1-Dichloroethane	600	<0.30	<0.30	<0.31	<0.31	<0.30	<.34	<1.5	<0.30	<2.9	<0.30	<0.30	<0.31
1,1-Dichloroethene	7,000	<0.25	<0.25	<0.26	<0.26	<0.25	<.28	<1.3	<0.25	<2.4	<0.25	<0.25	<0.26
1,2,4-Trimethylbenzene	2,100	24.50	38.00	23.70	26.40	18.60	28.20	25.50	7.40	13.4J	5.70	6.10	4.80
1,2-Dichloroethane	37	<0.35	<0.36	<0.36	<0.36	<0.36	<.40	<1.8	<0.35	<3.4	<0.35	<0.35	<0.36
1,3,5-Trimethylbenzene	2,100	8.00	11.50	7.50	9.10	5.60	8.60	9.60	2.60	7.8J	2.00	2.00	1.7J
Benzene	120	9.50	11.40	8.70	8.80	4.00	5.00	4.60	2.70	2.4J	1.80	2.10	4.10
Carbon tetrachloride	160	<0.50	<0.51	<0.52	<0.52	1.2J	<.58	<2.6	<0.50	13.7J	<0.50	<0.50	<0.52
Chloroform	40	<0.33	<0.33	<0.34	<0.34	<0.33	<.38	<1.7	<0.33	3.9J	<0.33	<0.33	<0.34
Chloromethane	3,100	<0.15	<0.16	<0.16	<0.16	<0.16	<.18	<.80	<0.15	<1.5	<0.15	<.59J	<0.16
Dichlorodifluoromethane	3,300	2.30	2.80	2.60	2.40	2.90	2.60	3.1J	2.60	3.4J	2.30	2.60	2.40
Ethylbenzene	370	36.90	49.20	31.50	35.30	26.70	30.50	29.70	10.80	12.1J	7.40	7.60	7.70
Methyl-tert-butyl ether	3,700	<0.23	<0.23	<0.24	6.2J	<.23	<.26	<1.2	<0.23	<2.2	<0.23	1.8J	3.8J
Methylene Chloride	21,000	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<5.5	<1.1	<10.5	<1.1	<1.1	<1.1
Naphthalene	28	7.0J	8.5J	5.7J	6.6J	4.4J	8.2J	<20.3	<3.9	<38.4	4.1J	<3.9	<4.1
Tetrachloroethene	1,400	1.60	1.70	1.1J	1.1J	1.30	3.00	<2.7	<0.52	<5.2	<0.52	<.52	<0.55
Toluene	170,000	410.00	584.00	401.00	620.00	315.00	461.00	442.00	216.00	115.00	114.00	123.00	122.00
Trichloroethene	70	0.75J	15.30	<0.37	<0.37	<0.36	3.10	<1.8	2.40	1,530.00	0.91J	0.77J	1.10
Vinyl chloride	57	<0.16	<0.16	<0.16	<0.16	<0.16	<.18	<.81	<0.16	<1.5	<0.16	<0.16	<0.16
o-Xylene	3,300	39.30	54.00	34.70	38.80	29.70	36.60	32.60	12.30	13.1J	8.60	8.70	8.30

NOTES:

All results are in micrograms per cubic meter (µg/m³) unless noted otherwise
 Concentrations exceeding the Residential Sub-Slab Vapor Risk Screening Levels are *italicized*
 J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

November 15, 2021

Travis Peterson
Kapur & Associates, Inc.
7711 N. Port Washington Road
Milwaukee, WI 53217

RE: Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Dear Travis Peterson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 23, 2021. 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,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kapur Environmental, Kapur & Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

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

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SAMPLE SUMMARY

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40235717001	SB-1 (2-4)	Solid	10/21/21 08:26	10/23/21 08:55
40235717002	SB-1 (4-6)	Solid	10/21/21 08:30	10/23/21 08:55
40235717003	SB-2 (0-2)	Solid	10/21/21 09:12	10/23/21 08:55
40235717004	SB-2 (4-6)	Solid	10/21/21 09:15	10/23/21 08:55
40235717005	SB-3 (2-4)	Solid	10/21/21 09:57	10/23/21 08:55
40235717006	SB-3 (10-12)	Solid	10/21/21 10:05	10/23/21 08:55
40235717007	SB-4 (6-8)	Solid	10/21/21 10:36	10/23/21 08:55
40235717008	SB-4 (10-12)	Solid	10/21/21 10:42	10/23/21 08:55
40235717009	SB-5 (8-10)	Solid	10/21/21 11:40	10/23/21 08:55
40235717010	SB-5 (10-12)	Solid	10/21/21 11:41	10/23/21 08:55
40235717011	SB-6 (0-5)	Solid	10/21/21 11:51	10/23/21 08:55
40235717012	SB-6 (7-10)	Solid	10/21/21 11:56	10/23/21 08:55
40235717013	SB-7 (4-6)	Solid	10/21/21 12:15	10/23/21 08:55
40235717014	SB-7 (6-8)	Solid	10/21/21 12:16	10/23/21 08:55
40235717015	SB-8 (0-5)	Solid	10/21/21 12:45	10/23/21 08:55
40235717016	SB-8 (8-10)	Solid	10/21/21 12:51	10/23/21 08:55
40235717017	SB-9 (2-4)	Solid	10/21/21 13:32	10/23/21 08:55
40235717018	SB-9 (7-9)	Solid	10/21/21 13:36	10/23/21 08:55
40235717019	SB-10 (4-6)	Solid	10/21/21 14:15	10/23/21 08:55
40235717020	SB-10 (8-10)	Solid	10/21/21 14:17	10/23/21 08:55
40235717021	SB-11 (2-4)	Solid	10/21/21 14:31	10/23/21 08:55
40235717022	SB-11 (8-10)	Solid	10/21/21 14:37	10/23/21 08:55
40235717023	SB-12 (0-5)	Solid	10/22/21 08:41	10/23/21 08:55
40235717024	SB-12 (15-18)	Solid	10/22/21 08:55	10/23/21 08:55
40235717025	SB-13 (5-10)	Solid	10/22/21 09:50	10/23/21 08:55
40235717026	SB-13 (10-15)	Solid	10/22/21 10:00	10/23/21 08:55
40235717027	SB-14 (0-5)	Solid	10/22/21 11:27	10/23/21 08:55
40235717028	SB-14 (15-20)	Solid	10/22/21 11:50	10/23/21 08:55
40235717029	SB-3 (8-10)	Solid	10/21/21 10:02	10/23/21 08:55
40235717030	SB-4 (8-10)	Solid	10/21/21 10:02	10/23/21 08:55
40235717031	SB-5 (12-15)	Solid	10/21/21 11:31	10/23/21 08:55
40235717032	SB-9 (9-10)	Solid	10/21/21 13:37	10/23/21 08:55
40235717033	TRIP BLANK	Solid	10/21/21 00:00	10/23/21 08:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235717001	SB-1 (2-4)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717002	SB-1 (4-6)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717003	SB-2 (0-2)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717004	SB-2 (4-6)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717005	SB-3 (2-4)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717006	SB-3 (10-12)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717007	SB-4 (6-8)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717008	SB-4 (10-12)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235717009	SB-5 (8-10)	EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		EPA 8260	LAP	4	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717010	SB-5 (10-12)	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717011	SB-6 (0-5)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40235717012	SB-6 (7-10)	EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
40235717013	SB-7 (4-6)	ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
40235717014	SB-7 (6-8)	EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717015	SB-8 (0-5)	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235717016	SB-8 (8-10)	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717017	SB-9 (2-4)	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		WI MOD DRO	MRN	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40235717018	SB-9 (7-9)	EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		WI MOD DRO	MRN	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
40235717019	SB-10 (4-6)	EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		WI MOD DRO	MRN	1	PASI-G
40235717020	SB-10 (8-10)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717021	SB-11 (2-4)	WI MOD DRO	MRN	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
40235717022	SB-11 (8-10)	ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G

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SAMPLE ANALYTE COUNT

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235717023	SB-12 (0-5)	EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717024	SB-12 (15-18)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
40235717025	SB-13 (5-10)	EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
40235717026	SB-13 (10-15)	EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
40235717027	SB-14 (0-5)	ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
40235717028	SB-14 (15-20)	EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
		EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717029	SB-3 (8-10)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G

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SAMPLE ANALYTE COUNT

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40235717030	SB-4 (8-10)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717031	SB-5 (12-15)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717032	SB-9 (9-10)	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 6010D	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270E	TPO	25	PASI-G
40235717033	TRIP BLANK	EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	HXB	1	PASI-G
		EPA 8260	ALD	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717001	SB-1 (2-4)					
EPA 6010D	Arsenic	2.7J	mg/kg	2.8	10/26/21 18:17	
EPA 6010D	Barium	44.9	mg/kg	0.57	10/26/21 18:17	MO
EPA 6010D	Chromium	13.9	mg/kg	1.1	10/26/21 18:17	
EPA 6010D	Lead	5.3	mg/kg	2.3	10/26/21 18:17	
EPA 7471	Mercury	0.035J	mg/kg	0.039	11/02/21 10:48	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	10/26/21 08:34	
40235717002	SB-1 (4-6)					
EPA 6010D	Arsenic	2.5J	mg/kg	2.7	10/26/21 18:31	
EPA 6010D	Barium	33.4	mg/kg	0.55	10/26/21 18:31	
EPA 6010D	Chromium	9.6	mg/kg	1.1	10/26/21 18:31	
EPA 6010D	Lead	4.8	mg/kg	2.2	10/26/21 18:31	
EPA 7471	Mercury	0.016J	mg/kg	0.038	11/02/21 10:51	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	10/26/21 08:34	
40235717003	SB-2 (0-2)					
EPA 6010D	Arsenic	7.0	mg/kg	2.9	10/26/21 18:36	
EPA 6010D	Barium	108	mg/kg	0.58	10/26/21 18:36	
EPA 6010D	Cadmium	0.37J	mg/kg	0.58	10/26/21 18:36	
EPA 6010D	Chromium	23.5	mg/kg	1.2	10/26/21 18:36	
EPA 6010D	Lead	55.7	mg/kg	2.3	10/26/21 18:36	
EPA 7471	Mercury	0.078	mg/kg	0.041	11/02/21 10:53	
EPA 8270E	Benzo(a)anthracene	0.035J	mg/kg	0.11	11/01/21 20:24	
EPA 8270E	Benzo(a)pyrene	0.038J	mg/kg	0.10	11/01/21 20:24	
EPA 8270E	Benzo(b)fluoranthene	0.055J	mg/kg	0.12	11/01/21 20:24	
EPA 8270E	Benzo(g,h,i)perylene	0.060J	mg/kg	0.18	11/01/21 20:24	
EPA 8270E	Chrysene	0.047J	mg/kg	0.10	11/01/21 20:24	
EPA 8270E	Fluoranthene	0.11	mg/kg	0.097	11/01/21 20:24	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.055J	mg/kg	0.15	11/01/21 20:24	
EPA 8270E	Phenanthrene	0.088	mg/kg	0.087	11/01/21 20:24	
EPA 8270E	Pyrene	0.095J	mg/kg	0.15	11/01/21 20:24	
ASTM D2974-87	Percent Moisture	18.4	%	0.10	10/26/21 09:04	
40235717004	SB-2 (4-6)					
EPA 6010D	Arsenic	24.5	mg/kg	2.8	10/26/21 18:39	
EPA 6010D	Barium	59.6	mg/kg	0.56	10/26/21 18:39	
EPA 6010D	Cadmium	0.34J	mg/kg	0.56	10/26/21 18:39	
EPA 6010D	Chromium	15.2	mg/kg	1.1	10/26/21 18:39	
EPA 6010D	Lead	6.7	mg/kg	2.2	10/26/21 18:39	
EPA 7471	Mercury	0.018J	mg/kg	0.038	11/02/21 10:55	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	10/26/21 09:04	
40235717005	SB-3 (2-4)					
EPA 6010D	Arsenic	2.6J	mg/kg	2.6	10/26/21 18:41	
EPA 6010D	Barium	34.6	mg/kg	0.53	10/26/21 18:41	
EPA 6010D	Cadmium	0.22J	mg/kg	0.53	10/26/21 18:41	
EPA 6010D	Chromium	11.5	mg/kg	1.1	10/26/21 18:41	
EPA 6010D	Lead	5.1	mg/kg	2.1	10/26/21 18:41	
EPA 7471	Mercury	0.014J	mg/kg	0.036	11/02/21 10:58	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717005	SB-3 (2-4)					
ASTM D2974-87	Percent Moisture	10.4	%	0.10	10/26/21 09:04	
40235717006	SB-3 (10-12)					
EPA 6010D	Barium	10.5	mg/kg	0.52	10/26/21 18:44	
EPA 6010D	Cadmium	0.18J	mg/kg	0.52	10/26/21 18:44	
EPA 6010D	Chromium	6.6	mg/kg	1.0	10/26/21 18:44	
EPA 6010D	Lead	4.0	mg/kg	2.1	10/26/21 18:44	
EPA 7471	Mercury	0.012J	mg/kg	0.035	11/02/21 11:00	
EPA 8260	Trichloroethene	1.0	mg/kg	0.060	10/27/21 23:09	
ASTM D2974-87	Percent Moisture	8.8	%	0.10	10/26/21 09:04	
40235717007	SB-4 (6-8)					
EPA 6010D	Arsenic	3.1	mg/kg	2.8	10/26/21 18:46	
EPA 6010D	Barium	55.0	mg/kg	0.56	10/26/21 18:46	
EPA 6010D	Cadmium	0.22J	mg/kg	0.56	10/26/21 18:46	
EPA 6010D	Chromium	12.4	mg/kg	1.1	10/26/21 18:46	
EPA 6010D	Lead	5.3	mg/kg	2.3	10/26/21 18:46	
EPA 7471	Mercury	0.014J	mg/kg	0.038	11/02/21 11:02	
ASTM D2974-87	Percent Moisture	14.3	%	0.10	10/26/21 09:04	
40235717008	SB-4 (10-12)					
EPA 6010D	Arsenic	2.3J	mg/kg	2.9	10/26/21 18:53	
EPA 6010D	Barium	65.3	mg/kg	0.57	10/26/21 18:53	
EPA 6010D	Cadmium	0.22J	mg/kg	0.57	10/26/21 18:53	
EPA 6010D	Chromium	16.5	mg/kg	1.1	10/26/21 18:53	
EPA 6010D	Lead	8.4	mg/kg	2.3	10/26/21 18:53	
EPA 8260	Trichloroethene	14.6	mg/kg	0.16	10/28/21 10:36	
EPA 8260	Trichloroethene	0.15	mg/L	0.020	11/10/21 22:07	H2
ASTM D2974-87	Percent Moisture	12.7	%	0.10	10/26/21 09:05	
40235717009	SB-5 (8-10)					
EPA 6010D	Arsenic	3.1	mg/kg	2.9	10/26/21 18:56	
EPA 6010D	Barium	64.8	mg/kg	0.58	10/26/21 18:56	
EPA 6010D	Cadmium	0.21J	mg/kg	0.58	10/26/21 18:56	
EPA 6010D	Chromium	16.8	mg/kg	1.2	10/26/21 18:56	
EPA 6010D	Lead	6.6	mg/kg	2.3	10/26/21 18:56	
ASTM D2974-87	Percent Moisture	16.3	%	0.10	10/26/21 09:05	
40235717010	SB-5 (10-12)					
EPA 6010D	Arsenic	6.7	mg/kg	3.0	10/26/21 18:58	
EPA 6010D	Barium	89.1	mg/kg	0.60	10/26/21 18:58	
EPA 6010D	Cadmium	0.20J	mg/kg	0.60	10/26/21 18:58	
EPA 6010D	Chromium	15.3	mg/kg	1.2	10/26/21 18:58	
EPA 6010D	Lead	7.4	mg/kg	2.4	10/26/21 18:58	
EPA 8270E	Benzo(a)anthracene	0.047J	mg/kg	0.11	10/29/21 17:15	
EPA 8270E	Benzo(a)pyrene	0.040J	mg/kg	0.10	10/29/21 17:15	
EPA 8270E	Benzo(b)fluoranthene	0.043J	mg/kg	0.12	10/29/21 17:15	
EPA 8270E	Chrysene	0.052J	mg/kg	0.10	10/29/21 17:15	
EPA 8270E	Fluoranthene	0.11	mg/kg	0.096	10/29/21 17:15	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717010	SB-5 (10-12)					
EPA 8270E	Pyrene	0.11J	mg/kg	0.15	10/29/21 17:15	
EPA 8260	Trichloroethene	0.080	mg/kg	0.072	10/28/21 00:27	
ASTM D2974-87	Percent Moisture	18.0	%	0.10	10/26/21 09:05	
40235717011	SB-6 (0-5)					
EPA 6010D	Arsenic	2.3J	mg/kg	2.6	10/26/21 19:01	
EPA 6010D	Barium	28.2	mg/kg	0.52	10/26/21 19:01	
EPA 6010D	Cadmium	0.24J	mg/kg	0.52	10/26/21 19:01	
EPA 6010D	Chromium	9.6	mg/kg	1.0	10/26/21 19:01	
EPA 6010D	Lead	6.3	mg/kg	2.1	10/26/21 19:01	
EPA 8270E	Fluoranthene	0.033J	mg/kg	0.088	10/29/21 17:36	
EPA 8270E	Phenanthrene	0.032J	mg/kg	0.080	10/29/21 17:36	
ASTM D2974-87	Percent Moisture	10.9	%	0.10	10/26/21 09:05	
40235717012	SB-6 (7-10)					
EPA 6010D	Arsenic	2.2J	mg/kg	2.7	10/26/21 19:03	
EPA 6010D	Barium	35.1	mg/kg	0.54	10/26/21 19:03	
EPA 6010D	Cadmium	0.24J	mg/kg	0.54	10/26/21 19:03	
EPA 6010D	Chromium	10	mg/kg	1.1	10/26/21 19:03	
EPA 6010D	Lead	5.7	mg/kg	2.2	10/26/21 19:03	
ASTM D2974-87	Percent Moisture	13.2	%	0.10	10/26/21 09:05	
40235717013	SB-7 (4-6)					
EPA 6010D	Arsenic	2.0J	mg/kg	2.8	10/26/21 19:06	
EPA 6010D	Barium	33.4	mg/kg	0.55	10/26/21 19:06	
EPA 6010D	Cadmium	0.18J	mg/kg	0.55	10/26/21 19:06	
EPA 6010D	Chromium	9.8	mg/kg	1.1	10/26/21 19:06	
EPA 6010D	Lead	4.8	mg/kg	2.2	10/26/21 19:06	
ASTM D2974-87	Percent Moisture	11.9	%	0.10	10/26/21 09:05	
40235717014	SB-7 (6-8)					
EPA 6010D	Arsenic	2.3J	mg/kg	2.7	10/26/21 19:08	
EPA 6010D	Barium	29.3	mg/kg	0.55	10/26/21 19:08	
EPA 6010D	Cadmium	0.19J	mg/kg	0.55	10/26/21 19:08	
EPA 6010D	Chromium	8.8	mg/kg	1.1	10/26/21 19:08	
EPA 6010D	Lead	4.5	mg/kg	2.2	10/26/21 19:08	
ASTM D2974-87	Percent Moisture	11.3	%	0.10	10/26/21 09:05	
40235717015	SB-8 (0-5)					
EPA 6010D	Barium	45.5	mg/kg	0.52	10/26/21 19:11	
EPA 6010D	Cadmium	0.23J	mg/kg	0.52	10/26/21 19:11	
EPA 6010D	Chromium	13.5	mg/kg	1.0	10/26/21 19:11	
EPA 6010D	Lead	4.7	mg/kg	2.1	10/26/21 19:11	
ASTM D2974-87	Percent Moisture	11.8	%	0.10	10/26/21 09:05	
40235717016	SB-8 (8-10)					
EPA 6010D	Arsenic	3.0	mg/kg	2.7	10/26/21 19:13	
EPA 6010D	Barium	49.3	mg/kg	0.55	10/26/21 19:13	
EPA 6010D	Cadmium	0.24J	mg/kg	0.55	10/26/21 19:13	
EPA 6010D	Chromium	14.1	mg/kg	1.1	10/26/21 19:13	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717016	SB-8 (8-10)					
EPA 6010D	Lead	5.8	mg/kg	2.2	10/26/21 19:13	
ASTM D2974-87	Percent Moisture	10.9	%	0.10	10/26/21 09:05	
40235717017	SB-9 (2-4)					
WI MOD DRO	Diesel Range Organics	2.1J	mg/kg	4.4	11/01/21 06:59	
EPA 6010D	Arsenic	3.2	mg/kg	3.0	10/26/21 19:16	
EPA 6010D	Barium	80.7	mg/kg	0.60	10/26/21 19:16	
EPA 6010D	Cadmium	0.29J	mg/kg	0.60	10/26/21 19:16	
EPA 6010D	Chromium	19.9	mg/kg	1.2	10/26/21 19:16	
EPA 6010D	Lead	6.3	mg/kg	2.4	10/26/21 19:16	
ASTM D2974-87	Percent Moisture	17.1	%	0.10	10/26/21 09:05	
40235717018	SB-9 (7-9)					
WI MOD DRO	Diesel Range Organics	22.4	mg/kg	4.2	11/01/21 07:08	DC
EPA 6010D	Arsenic	2.5J	mg/kg	2.9	10/26/21 19:23	
EPA 6010D	Barium	35.1	mg/kg	0.58	10/26/21 19:23	
EPA 6010D	Chromium	11.4	mg/kg	1.2	10/26/21 19:23	
EPA 6010D	Lead	5.1	mg/kg	2.3	10/26/21 19:23	
EPA 8270E	Benzo(a)anthracene	0.042J	mg/kg	0.10	11/02/21 19:25	
EPA 8270E	Benzo(a)pyrene	0.044J	mg/kg	0.097	11/02/21 19:25	
EPA 8270E	Benzo(b)fluoranthene	0.041J	mg/kg	0.11	11/02/21 19:25	
EPA 8270E	Benzo(g,h,i)perylene	0.068J	mg/kg	0.17	11/02/21 19:25	
EPA 8270E	Benzo(k)fluoranthene	0.083J	mg/kg	0.16	11/02/21 19:25	
EPA 8270E	Chrysene	0.067J	mg/kg	0.097	11/02/21 19:25	
EPA 8270E	Fluoranthene	0.13	mg/kg	0.092	11/02/21 19:25	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.061J	mg/kg	0.14	11/02/21 19:25	
EPA 8270E	Naphthalene	0.078J	mg/kg	0.23	11/02/21 19:25	
EPA 8270E	Phenanthrene	0.079J	mg/kg	0.083	11/02/21 19:25	
EPA 8270E	Pyrene	0.13J	mg/kg	0.14	11/02/21 19:25	
EPA 8260	n-Butylbenzene	0.33	mg/kg	0.066	10/28/21 03:02	
EPA 8260	sec-Butylbenzene	0.29	mg/kg	0.066	10/28/21 03:02	
EPA 8260	tert-Butylbenzene	0.12	mg/kg	0.066	10/28/21 03:02	
EPA 8260	Ethylbenzene	0.045J	mg/kg	0.066	10/28/21 03:02	
EPA 8260	Isopropylbenzene (Cumene)	0.17	mg/kg	0.066	10/28/21 03:02	
EPA 8260	p-Isopropyltoluene	0.31	mg/kg	0.066	10/28/21 03:02	
EPA 8260	Naphthalene	0.56	mg/kg	0.33	10/28/21 03:02	
EPA 8260	n-Propylbenzene	0.28	mg/kg	0.066	10/28/21 03:02	
EPA 8260	Trichloroethene	0.33	mg/kg	0.066	10/28/21 03:02	
EPA 8260	1,2,4-Trimethylbenzene	2.7	mg/kg	0.066	10/28/21 03:02	
EPA 8260	1,3,5-Trimethylbenzene	1.1	mg/kg	0.066	10/28/21 03:02	
EPA 8260	m&p-Xylene	0.065J	mg/kg	0.13	10/28/21 03:02	
EPA 8260	o-Xylene	0.022J	mg/kg	0.066	10/28/21 03:02	
ASTM D2974-87	Percent Moisture	14.1	%	0.10	10/26/21 09:05	
40235717019	SB-10 (4-6)					
WI MOD DRO	Diesel Range Organics	1110	mg/kg	99.8	11/01/21 08:47	DC
EPA 6010D	Arsenic	3.0	mg/kg	2.7	10/26/21 19:26	
EPA 6010D	Barium	33.7	mg/kg	0.53	10/26/21 19:26	
EPA 6010D	Chromium	11.2	mg/kg	1.1	10/26/21 19:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40235717019	SB-10 (4-6)					
EPA 6010D	Lead	5.3	mg/kg	2.1	10/26/21 19:26	
EPA 8270E	Benzo(a)pyrene	0.30J	mg/kg	0.37	11/01/21 21:27	
EPA 8270E	Benzo(b)fluoranthene	0.21J	mg/kg	0.43	11/01/21 21:27	
EPA 8270E	Benzo(g,h,i)perylene	0.48J	mg/kg	0.65	11/01/21 21:27	
EPA 8270E	Benzo(k)fluoranthene	0.19J	mg/kg	0.59	11/01/21 21:27	
EPA 8270E	Dibenz(a,h)anthracene	0.51J	mg/kg	0.67	11/01/21 21:27	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.60	mg/kg	0.54	11/01/21 21:27	
EPA 8260	n-Butylbenzene	0.23	mg/kg	0.062	10/28/21 03:41	
EPA 8260	sec-Butylbenzene	0.10	mg/kg	0.062	10/28/21 03:41	
EPA 8260	Isopropylbenzene (Cumene)	0.052J	mg/kg	0.062	10/28/21 03:41	
EPA 8260	p-Isopropyltoluene	0.089	mg/kg	0.062	10/28/21 03:41	
EPA 8260	Naphthalene	0.089J	mg/kg	0.31	10/28/21 03:41	
EPA 8260	n-Propylbenzene	0.18	mg/kg	0.062	10/28/21 03:41	
EPA 8260	1,2,4-Trimethylbenzene	1.2	mg/kg	0.062	10/28/21 03:41	
EPA 8260	1,3,5-Trimethylbenzene	0.43	mg/kg	0.062	10/28/21 03:41	
EPA 8260	m&p-Xylene	0.027J	mg/kg	0.12	10/28/21 03:41	
ASTM D2974-87	Percent Moisture	10.3	%	0.10	10/26/21 09:06	
40235717020	SB-10 (8-10)					
WI MOD DRO	Diesel Range Organics	4.3	mg/kg	4.0	11/01/21 08:38	DC
EPA 6010D	Arsenic	2.7J	mg/kg	2.7	10/26/21 19:28	
EPA 6010D	Barium	31.5	mg/kg	0.54	10/26/21 19:28	
EPA 6010D	Cadmium	0.21J	mg/kg	0.54	10/26/21 19:28	
EPA 6010D	Chromium	8.3	mg/kg	1.1	10/26/21 19:28	
EPA 6010D	Lead	7.5	mg/kg	2.2	10/26/21 19:28	
EPA 8260	sec-Butylbenzene	0.027J	mg/kg	0.061	10/28/21 10:16	
EPA 8260	Ethylbenzene	0.021J	mg/kg	0.061	10/28/21 10:16	
EPA 8260	Isopropylbenzene (Cumene)	0.020J	mg/kg	0.061	10/28/21 10:16	
EPA 8260	n-Propylbenzene	0.083	mg/kg	0.061	10/28/21 10:16	
EPA 8260	1,2,4-Trimethylbenzene	0.086	mg/kg	0.061	10/28/21 10:16	
ASTM D2974-87	Percent Moisture	9.6	%	0.10	10/26/21 09:06	
40235717021	SB-11 (2-4)					
EPA 6010D	Arsenic	4.3	mg/kg	3.0	10/26/21 13:59	
EPA 6010D	Barium	102	mg/kg	0.60	10/26/21 13:59	MO
EPA 6010D	Cadmium	0.35J	mg/kg	0.60	10/26/21 13:59	
EPA 6010D	Chromium	24.2	mg/kg	1.2	10/26/21 13:59	
EPA 6010D	Lead	13.1	mg/kg	2.4	10/26/21 13:59	
EPA 7471	Mercury	0.035J	mg/kg	0.042	11/03/21 10:58	
ASTM D2974-87	Percent Moisture	16.7	%	0.10	10/26/21 09:35	
40235717022	SB-11 (8-10)					
EPA 6010D	Arsenic	2.7	mg/kg	2.6	10/26/21 14:08	
EPA 6010D	Barium	36.5	mg/kg	0.53	10/26/21 14:08	
EPA 6010D	Cadmium	0.24J	mg/kg	0.53	10/26/21 14:08	
EPA 6010D	Chromium	8.4	mg/kg	1.1	10/26/21 14:08	
EPA 6010D	Lead	6.0	mg/kg	2.1	10/26/21 14:08	
EPA 8260	1,1-Dichloroethane	0.073	mg/kg	0.061	10/29/21 16:12	
EPA 8260	cis-1,2-Dichloroethene	0.020J	mg/kg	0.061	10/29/21 16:12	

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717022	SB-11 (8-10)					
ASTM D2974-87	Percent Moisture	10.2	%	0.10	10/26/21 09:35	
40235717023	SB-12 (0-5)					
EPA 6010D	Arsenic	2.9	mg/kg	2.8	10/26/21 14:13	
EPA 6010D	Barium	31.0	mg/kg	0.55	10/26/21 14:13	
EPA 6010D	Cadmium	0.49J	mg/kg	0.55	10/26/21 14:13	
EPA 6010D	Chromium	38.2	mg/kg	1.1	10/26/21 14:13	
EPA 6010D	Lead	60.6	mg/kg	2.2	10/26/21 14:13	
EPA 6010D	Silver	0.37J	mg/kg	1.1	10/26/21 14:13	
EPA 8270E	Anthracene	0.083J	mg/kg	0.21	11/02/21 19:46	
EPA 8270E	Benzo(a)anthracene	0.87	mg/kg	0.20	11/02/21 19:46	
EPA 8270E	Benzo(a)pyrene	1.3	mg/kg	0.20	11/02/21 19:46	
EPA 8270E	Benzo(b)fluoranthene	2.1	mg/kg	0.22	11/02/21 19:46	
EPA 8270E	Benzo(g,h,i)perylene	1.6	mg/kg	0.34	11/02/21 19:46	
EPA 8270E	Benzo(k)fluoranthene	0.78	mg/kg	0.31	11/02/21 19:46	
EPA 8270E	Chrysene	1.4	mg/kg	0.19	11/02/21 19:46	
EPA 8270E	Dibenz(a,h)anthracene	0.24J	mg/kg	0.35	11/02/21 19:46	
EPA 8270E	Fluoranthene	2.7	mg/kg	0.18	11/02/21 19:46	
EPA 8270E	Indeno(1,2,3-cd)pyrene	1.4	mg/kg	0.28	11/02/21 19:46	
EPA 8270E	Phenanthrene	0.99	mg/kg	0.17	11/02/21 19:46	
EPA 8270E	Pyrene	2.5	mg/kg	0.29	11/02/21 19:46	
ASTM D2974-87	Percent Moisture	14.4	%	0.10	10/26/21 09:35	
40235717024	SB-12 (15-18)					
EPA 6010D	Arsenic	1.9J	mg/kg	2.9	10/26/21 14:16	
EPA 6010D	Barium	44.0	mg/kg	0.58	10/26/21 14:16	
EPA 6010D	Cadmium	0.20J	mg/kg	0.58	10/26/21 14:16	
EPA 6010D	Chromium	26.3	mg/kg	1.2	10/26/21 14:16	
EPA 6010D	Lead	5.0	mg/kg	2.3	10/26/21 14:16	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	10/26/21 09:35	
40235717025	SB-13 (5-10)					
EPA 6010D	Arsenic	6.0	mg/kg	3.1	10/26/21 14:23	
EPA 6010D	Barium	68.3	mg/kg	0.61	10/26/21 14:23	
EPA 6010D	Chromium	24.9	mg/kg	1.2	10/26/21 14:23	
EPA 6010D	Lead	12.4	mg/kg	2.4	10/26/21 14:23	
EPA 7471	Mercury	0.039J	mg/kg	0.042	11/03/21 11:16	
ASTM D2974-87	Percent Moisture	18.9	%	0.10	10/26/21 09:35	
40235717026	SB-13 (10-15)					
EPA 6010D	Arsenic	4.0	mg/kg	2.8	10/26/21 14:25	
EPA 6010D	Barium	42.6	mg/kg	0.55	10/26/21 14:25	
EPA 6010D	Cadmium	0.19J	mg/kg	0.55	10/26/21 14:25	
EPA 6010D	Chromium	13.0	mg/kg	1.1	10/26/21 14:25	
EPA 6010D	Lead	10.0	mg/kg	2.2	10/26/21 14:25	
ASTM D2974-87	Percent Moisture	14.0	%	0.10	10/26/21 09:35	
40235717027	SB-14 (0-5)					
EPA 6010D	Arsenic	2.8	mg/kg	2.7	10/26/21 14:28	

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717027	SB-14 (0-5)					
EPA 6010D	Barium	34.6	mg/kg	0.54	10/26/21 14:28	
EPA 6010D	Cadmium	0.24J	mg/kg	0.54	10/26/21 14:28	
EPA 6010D	Chromium	10.5	mg/kg	1.1	10/26/21 14:28	
EPA 6010D	Lead	6.0	mg/kg	2.2	10/26/21 14:28	
ASTM D2974-87	Percent Moisture	10.4	%	0.10	10/26/21 09:35	
40235717028	SB-14 (15-20)					
EPA 6010D	Arsenic	2.0J	mg/kg	2.7	10/26/21 14:30	
EPA 6010D	Barium	38.2	mg/kg	0.53	10/26/21 14:30	
EPA 6010D	Cadmium	0.17J	mg/kg	0.53	10/26/21 14:30	
EPA 6010D	Chromium	12.1	mg/kg	1.1	10/26/21 14:30	
EPA 6010D	Lead	4.9	mg/kg	2.1	10/26/21 14:30	
ASTM D2974-87	Percent Moisture	11.1	%	0.10	10/26/21 09:35	
40235717029	SB-3 (8-10)					
EPA 6010D	Barium	43.6	mg/kg	0.52	10/26/21 14:33	
EPA 6010D	Cadmium	0.22J	mg/kg	0.52	10/26/21 14:33	
EPA 6010D	Chromium	19.5	mg/kg	1.0	10/26/21 14:33	
EPA 6010D	Lead	6.3	mg/kg	2.1	10/26/21 14:33	
EPA 8270E	Benzo(g,h,i)perylene	0.072J	mg/kg	0.17	11/02/21 11:02	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.060J	mg/kg	0.14	11/02/21 11:02	
EPA 8260	Trichloroethene	2.5	mg/kg	0.065	10/29/21 18:29	
ASTM D2974-87	Percent Moisture	12.8	%	0.10	10/26/21 09:35	
40235717030	SB-4 (8-10)					
EPA 6010D	Arsenic	1.8J	mg/kg	2.9	10/26/21 14:36	
EPA 6010D	Barium	56.3	mg/kg	0.58	10/26/21 14:36	
EPA 6010D	Cadmium	0.31J	mg/kg	0.58	10/26/21 14:36	
EPA 6010D	Chromium	14.5	mg/kg	1.2	10/26/21 14:36	
EPA 6010D	Lead	6.5	mg/kg	2.3	10/26/21 14:36	
EPA 8260	1,1,1-Trichloroethane	0.065J	mg/kg	0.066	10/29/21 18:48	
EPA 8260	Trichloroethene	1.6	mg/kg	0.066	10/29/21 18:48	
ASTM D2974-87	Percent Moisture	13.6	%	0.10	10/26/21 09:35	
40235717031	SB-5 (12-15)					
EPA 6010D	Arsenic	4.5	mg/kg	2.6	10/26/21 14:45	
EPA 6010D	Barium	13.1	mg/kg	0.52	10/26/21 14:45	
EPA 6010D	Chromium	6.4	mg/kg	1.0	10/26/21 14:45	
EPA 6010D	Lead	5.6	mg/kg	2.1	10/26/21 14:45	
EPA 8270E	Benzo(a)pyrene	0.078J	mg/kg	0.090	11/02/21 15:35	
EPA 8270E	Benzo(b)fluoranthene	0.051J	mg/kg	0.10	11/02/21 15:35	
EPA 8270E	Benzo(g,h,i)perylene	0.087J	mg/kg	0.16	11/02/21 15:35	
EPA 8270E	Benzo(k)fluoranthene	0.050J	mg/kg	0.14	11/02/21 15:35	
EPA 8270E	Dibenz(a,h)anthracene	0.081J	mg/kg	0.16	11/02/21 15:35	
EPA 8270E	Indeno(1,2,3-cd)pyrene	0.12J	mg/kg	0.13	11/02/21 15:35	
EPA 8260	Trichloroethene	0.23	mg/kg	0.057	10/29/21 19:08	
ASTM D2974-87	Percent Moisture	6.5	%	0.10	10/26/21 09:36	

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SUMMARY OF DETECTION

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40235717032	SB-9 (9-10)					
EPA 6010D	Arsenic	2.1J	mg/kg	2.7	10/26/21 14:48	
EPA 6010D	Barium	11.4	mg/kg	0.55	10/26/21 14:48	
EPA 6010D	Cadmium	0.24J	mg/kg	0.55	10/26/21 14:48	
EPA 6010D	Chromium	5.9	mg/kg	1.1	10/26/21 14:48	
EPA 6010D	Lead	4.0	mg/kg	2.2	10/26/21 14:48	
EPA 8260	1,2,4-Trimethylbenzene	0.027J	mg/kg	0.063	11/01/21 13:28	
ASTM D2974-87	Percent Moisture	11.8	%	0.10	10/26/21 09:36	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-1 (2-4) **Lab ID: 40235717001** Collected: 10/21/21 08:26 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.7J	mg/kg	2.8	1.7	1	10/26/21 07:24	10/26/21 18:17	7440-38-2	
Barium	44.9	mg/kg	0.57	0.17	1	10/26/21 07:24	10/26/21 18:17	7440-39-3	M0
Cadmium	<0.15	mg/kg	0.57	0.15	1	10/26/21 07:24	10/26/21 18:17	7440-43-9	
Chromium	13.9	mg/kg	1.1	0.32	1	10/26/21 07:24	10/26/21 18:17	7440-47-3	
Lead	5.3	mg/kg	2.3	0.68	1	10/26/21 07:24	10/26/21 18:17	7439-92-1	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/26/21 07:24	10/26/21 18:17	7782-49-2	
Silver	<0.35	mg/kg	1.1	0.35	1	10/26/21 07:24	10/26/21 18:17	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.035J	mg/kg	0.039	0.011	1	11/02/21 06:43	11/02/21 10:48	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	11/01/21 12:43	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	11/01/21 12:43	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	10/28/21 12:41	11/01/21 12:43	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	10/28/21 12:41	11/01/21 12:43	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.096	0.029	1	10/28/21 12:41	11/01/21 12:43	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	11/01/21 12:43	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 12:43	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	10/28/21 12:41	11/01/21 12:43	207-08-9	
Chrysene	<0.029	mg/kg	0.095	0.029	1	10/28/21 12:41	11/01/21 12:43	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	11/01/21 12:43	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.35	0.10	1	10/28/21 12:41	11/01/21 12:43	123-91-1	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	10/28/21 12:41	11/01/21 12:43	206-44-0	
Fluorene	<0.022	mg/kg	0.075	0.022	1	10/28/21 12:41	11/01/21 12:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	11/01/21 12:43	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	11/01/21 12:43	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 12:43	91-57-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 12:43	91-20-3	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	10/28/21 12:41	11/01/21 12:43	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 12:43	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	94	%	40-96		1	10/28/21 12:41	11/01/21 12:43	4165-60-0	
2-Fluorobiphenyl (S)	85	%	14-110		1	10/28/21 12:41	11/01/21 12:43	321-60-8	
Terphenyl-d14 (S)	94	%	10-121		1	10/28/21 12:41	11/01/21 12:43	1718-51-0	
Phenol-d6 (S)	85	%	14-104		1	10/28/21 12:41	11/01/21 12:43	13127-88-3	
2-Fluorophenol (S)	85	%	10-112		1	10/28/21 12:41	11/01/21 12:43	367-12-4	
2,4,6-Tribromophenol (S)	90	%	10-128		1	10/28/21 12:41	11/01/21 12:43	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.026	0.015	1	10/26/21 08:45	10/27/21 21:51	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-1 (2-4) **Lab ID: 40235717001** Collected: 10/21/21 08:26 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 21:51	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 21:51	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 21:51	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/26/21 08:45	10/27/21 21:51	75-25-2	
Bromomethane	<0.091	mg/kg	0.32	0.091	1	10/26/21 08:45	10/27/21 21:51	74-83-9	
n-Butylbenzene	<0.030	mg/kg	0.065	0.030	1	10/26/21 08:45	10/27/21 21:51	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 21:51	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/27/21 21:51	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 21:51	56-23-5	
Chlorobenzene	<0.0078	mg/kg	0.065	0.0078	1	10/26/21 08:45	10/27/21 21:51	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/26/21 08:45	10/27/21 21:51	75-00-3	
Chloroform	<0.046	mg/kg	0.32	0.046	1	10/26/21 08:45	10/27/21 21:51	67-66-3	
Chloromethane	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 21:51	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 21:51	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 21:51	106-43-4	
1,2-Dibromo-3-chloropropane	<0.050	mg/kg	0.32	0.050	1	10/26/21 08:45	10/27/21 21:51	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/26/21 08:45	10/27/21 21:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 21:51	106-93-4	
Dibromomethane	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 21:51	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/27/21 21:51	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 21:51	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 21:51	106-46-7	
Dichlorodifluoromethane	<0.028	mg/kg	0.065	0.028	1	10/26/21 08:45	10/27/21 21:51	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 21:51	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 21:51	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 21:51	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 21:51	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 21:51	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 21:51	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 21:51	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 21:51	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 21:51	563-58-6	
cis-1,3-Dichloropropene	<0.043	mg/kg	0.32	0.043	1	10/26/21 08:45	10/27/21 21:51	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.32	0.19	1	10/26/21 08:45	10/27/21 21:51	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 21:51	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 21:51	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/26/21 08:45	10/27/21 21:51	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 21:51	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/27/21 21:51	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 21:51	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 21:51	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/26/21 08:45	10/27/21 21:51	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 21:51	103-65-1	
Styrene	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 21:51	100-42-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-1 (2-4) **Lab ID: 40235717001** Collected: 10/21/21 08:26 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 21:51	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.065	0.023	1	10/26/21 08:45	10/27/21 21:51	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 21:51	127-18-4	
Toluene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 21:51	108-88-3	
1,2,3-Trichlorobenzene	<0.072	mg/kg	0.32	0.072	1	10/26/21 08:45	10/27/21 21:51	87-61-6	
1,2,4-Trichlorobenzene	<0.053	mg/kg	0.32	0.053	1	10/26/21 08:45	10/27/21 21:51	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 21:51	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.065	0.024	1	10/26/21 08:45	10/27/21 21:51	79-00-5	
Trichloroethene	<0.024	mg/kg	0.065	0.024	1	10/26/21 08:45	10/27/21 21:51	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 21:51	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.065	0.031	1	10/26/21 08:45	10/27/21 21:51	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 21:51	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 21:51	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.065	0.013	1	10/26/21 08:45	10/27/21 21:51	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/26/21 08:45	10/27/21 21:51	179601-23-1	
o-Xylene	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 21:51	95-47-6	
Surrogates									
Toluene-d8 (S)	129	%	67-159		1	10/26/21 08:45	10/27/21 21:51	2037-26-5	
4-Bromofluorobenzene (S)	134	%	66-153		1	10/26/21 08:45	10/27/21 21:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	123	%	82-158		1	10/26/21 08:45	10/27/21 21:51	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	12.8	%	0.10	0.10	1		10/26/21 08:34		
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Sample: SB-1 (4-6) **Lab ID: 40235717002** Collected: 10/21/21 08:30 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.5J	mg/kg	2.7	1.6	1	10/26/21 07:24	10/26/21 18:31	7440-38-2	
Barium	33.4	mg/kg	0.55	0.16	1	10/26/21 07:24	10/26/21 18:31	7440-39-3	
Cadmium	<0.15	mg/kg	0.55	0.15	1	10/26/21 07:24	10/26/21 18:31	7440-43-9	
Chromium	9.6	mg/kg	1.1	0.31	1	10/26/21 07:24	10/26/21 18:31	7440-47-3	
Lead	4.8	mg/kg	2.2	0.66	1	10/26/21 07:24	10/26/21 18:31	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 07:24	10/26/21 18:31	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 07:24	10/26/21 18:31	7440-22-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-1 (4-6) **Lab ID: 40235717002** Collected: 10/21/21 08:30 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.016J	mg/kg	0.038	0.011	1	11/02/21 06:43	11/02/21 10:51	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 17:58	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	11/01/21 17:58	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	11/01/21 17:58	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.098	0.029	1	10/28/21 12:41	11/01/21 17:58	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.095	0.029	1	10/28/21 12:41	11/01/21 17:58	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	11/01/21 17:58	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 17:58	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	10/28/21 12:41	11/01/21 17:58	207-08-9	
Chrysene	<0.028	mg/kg	0.095	0.028	1	10/28/21 12:41	11/01/21 17:58	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	11/01/21 17:58	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	11/01/21 17:58	123-91-1	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	10/28/21 12:41	11/01/21 17:58	206-44-0	
Fluorene	<0.022	mg/kg	0.074	0.022	1	10/28/21 12:41	11/01/21 17:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	11/01/21 17:58	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	11/01/21 17:58	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 17:58	91-57-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 17:58	91-20-3	
Phenanthrene	<0.024	mg/kg	0.081	0.024	1	10/28/21 12:41	11/01/21 17:58	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 17:58	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	82	%	40-96		1	10/28/21 12:41	11/01/21 17:58	4165-60-0	
2-Fluorobiphenyl (S)	80	%	14-110		1	10/28/21 12:41	11/01/21 17:58	321-60-8	
Terphenyl-d14 (S)	84	%	10-121		1	10/28/21 12:41	11/01/21 17:58	1718-51-0	
Phenol-d6 (S)	77	%	14-104		1	10/28/21 12:41	11/01/21 17:58	13127-88-3	
2-Fluorophenol (S)	77	%	10-112		1	10/28/21 12:41	11/01/21 17:58	367-12-4	
2,4,6-Tribromophenol (S)	86	%	10-128		1	10/28/21 12:41	11/01/21 17:58	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.026	0.015	1	10/26/21 08:45	10/27/21 22:10	71-43-2	
Bromobenzene	<0.025	mg/kg	0.064	0.025	1	10/26/21 08:45	10/27/21 22:10	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:10	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:10	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/26/21 08:45	10/27/21 22:10	75-25-2	
Bromomethane	<0.090	mg/kg	0.32	0.090	1	10/26/21 08:45	10/27/21 22:10	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.064	0.029	1	10/26/21 08:45	10/27/21 22:10	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:10	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/27/21 22:10	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:10	56-23-5	
Chlorobenzene	<0.0077	mg/kg	0.064	0.0077	1	10/26/21 08:45	10/27/21 22:10	108-90-7	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: **SB-1 (4-6)** Lab ID: **40235717002** Collected: 10/21/21 08:30 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/26/21 08:45	10/27/21 22:10	75-00-3	
Chloroform	<0.046	mg/kg	0.32	0.046	1	10/26/21 08:45	10/27/21 22:10	67-66-3	
Chloromethane	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/27/21 22:10	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:10	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/27/21 22:10	106-43-4	
1,2-Dibromo-3-chloropropane	<0.050	mg/kg	0.32	0.050	1	10/26/21 08:45	10/27/21 22:10	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/26/21 08:45	10/27/21 22:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:10	106-93-4	
Dibromomethane	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:10	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/27/21 22:10	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:10	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:10	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.064	0.027	1	10/26/21 08:45	10/27/21 22:10	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:10	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:10	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:10	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:10	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:10	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:10	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:10	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:10	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:10	563-58-6	
cis-1,3-Dichloropropene	<0.042	mg/kg	0.32	0.042	1	10/26/21 08:45	10/27/21 22:10	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/26/21 08:45	10/27/21 22:10	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:10	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:10	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/26/21 08:45	10/27/21 22:10	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:10	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:10	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:10	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:10	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/26/21 08:45	10/27/21 22:10	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:10	103-65-1	
Styrene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:10	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.064	0.023	1	10/26/21 08:45	10/27/21 22:10	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.064	0.025	1	10/26/21 08:45	10/27/21 22:10	127-18-4	
Toluene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:10	108-88-3	
1,2,3-Trichlorobenzene	<0.071	mg/kg	0.32	0.071	1	10/26/21 08:45	10/27/21 22:10	87-61-6	
1,2,4-Trichlorobenzene	<0.053	mg/kg	0.32	0.053	1	10/26/21 08:45	10/27/21 22:10	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:10	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.064	0.023	1	10/26/21 08:45	10/27/21 22:10	79-00-5	
Trichloroethene	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/27/21 22:10	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:10	75-69-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-1 (4-6) **Lab ID: 40235717002** Collected: 10/21/21 08:30 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.031	mg/kg	0.064	0.031	1	10/26/21 08:45	10/27/21 22:10	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:10	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:10	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.064	0.013	1	10/26/21 08:45	10/27/21 22:10	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/26/21 08:45	10/27/21 22:10	179601-23-1	
o-Xylene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:10	95-47-6	
Surrogates									
Toluene-d8 (S)	123	%	67-159		1	10/26/21 08:45	10/27/21 22:10	2037-26-5	
4-Bromofluorobenzene (S)	124	%	66-153		1	10/26/21 08:45	10/27/21 22:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	114	%	82-158		1	10/26/21 08:45	10/27/21 22:10	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.2	%	0.10	0.10	1		10/26/21 08:34		

Sample: SB-2 (0-2) **Lab ID: 40235717003** Collected: 10/21/21 09:12 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	7.0	mg/kg	2.9	1.7	1	10/26/21 07:24	10/26/21 18:36	7440-38-2	
Barium	108	mg/kg	0.58	0.17	1	10/26/21 07:24	10/26/21 18:36	7440-39-3	
Cadmium	0.37J	mg/kg	0.58	0.15	1	10/26/21 07:24	10/26/21 18:36	7440-43-9	
Chromium	23.5	mg/kg	1.2	0.32	1	10/26/21 07:24	10/26/21 18:36	7440-47-3	
Lead	55.7	mg/kg	2.3	0.69	1	10/26/21 07:24	10/26/21 18:36	7439-92-1	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/26/21 07:24	10/26/21 18:36	7782-49-2	
Silver	<0.35	mg/kg	1.2	0.35	1	10/26/21 07:24	10/26/21 18:36	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.078	mg/kg	0.041	0.012	1	11/02/21 06:43	11/02/21 10:53	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.073	mg/kg	0.24	0.073	1	10/28/21 12:41	11/01/21 20:24	83-32-9	
Acenaphthylene	<0.073	mg/kg	0.24	0.073	1	10/28/21 12:41	11/01/21 20:24	208-96-8	
Anthracene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	11/01/21 20:24	120-12-7	
Benzo(a)anthracene	0.035J	mg/kg	0.11	0.032	1	10/28/21 12:41	11/01/21 20:24	56-55-3	
Benzo(a)pyrene	0.038J	mg/kg	0.10	0.031	1	10/28/21 12:41	11/01/21 20:24	50-32-8	
Benzo(b)fluoranthene	0.055J	mg/kg	0.12	0.035	1	10/28/21 12:41	11/01/21 20:24	205-99-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-2 (0-2) **Lab ID: 40235717003** Collected: 10/21/21 09:12 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Green Bay

Benzo(g,h,i)perylene	0.060J	mg/kg	0.18	0.054	1	10/28/21 12:41	11/01/21 20:24	191-24-2	
Benzo(k)fluoranthene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 20:24	207-08-9	
Chrysene	0.047J	mg/kg	0.10	0.031	1	10/28/21 12:41	11/01/21 20:24	218-01-9	
Dibenz(a,h)anthracene	<0.056	mg/kg	0.19	0.056	1	10/28/21 12:41	11/01/21 20:24	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.37	0.11	1	10/28/21 12:41	11/01/21 20:24	123-91-1	
Fluoranthene	0.11	mg/kg	0.097	0.029	1	10/28/21 12:41	11/01/21 20:24	206-44-0	
Fluorene	<0.024	mg/kg	0.080	0.024	1	10/28/21 12:41	11/01/21 20:24	86-73-7	
Indeno(1,2,3-cd)pyrene	0.055J	mg/kg	0.15	0.044	1	10/28/21 12:41	11/01/21 20:24	193-39-5	
1-Methylnaphthalene	<0.058	mg/kg	0.19	0.058	1	10/28/21 12:41	11/01/21 20:24	90-12-0	
2-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	10/28/21 12:41	11/01/21 20:24	91-57-6	
Naphthalene	<0.072	mg/kg	0.24	0.072	1	10/28/21 12:41	11/01/21 20:24	91-20-3	
Phenanthrene	0.088	mg/kg	0.087	0.026	1	10/28/21 12:41	11/01/21 20:24	85-01-8	
Pyrene	0.095J	mg/kg	0.15	0.045	1	10/28/21 12:41	11/01/21 20:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	74	%	40-96		1	10/28/21 12:41	11/01/21 20:24	4165-60-0	
2-Fluorobiphenyl (S)	68	%	14-110		1	10/28/21 12:41	11/01/21 20:24	321-60-8	
Terphenyl-d14 (S)	70	%	10-121		1	10/28/21 12:41	11/01/21 20:24	1718-51-0	
Phenol-d6 (S)	62	%	14-104		1	10/28/21 12:41	11/01/21 20:24	13127-88-3	
2-Fluorophenol (S)	60	%	10-112		1	10/28/21 12:41	11/01/21 20:24	367-12-4	
2,4,6-Tribromophenol (S)	67	%	10-128		1	10/28/21 12:41	11/01/21 20:24	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Pace Analytical Services - Green Bay

Benzene	<0.017	mg/kg	0.029	0.017	1	10/26/21 08:45	10/27/21 21:31	71-43-2	
Bromobenzene	<0.028	mg/kg	0.073	0.028	1	10/26/21 08:45	10/27/21 21:31	108-86-1	
Bromochloromethane	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	74-97-5	
Bromodichloromethane	<0.017	mg/kg	0.073	0.017	1	10/26/21 08:45	10/27/21 21:31	75-27-4	
Bromoform	<0.32	mg/kg	0.36	0.32	1	10/26/21 08:45	10/27/21 21:31	75-25-2	
Bromomethane	<0.10	mg/kg	0.36	0.10	1	10/26/21 08:45	10/27/21 21:31	74-83-9	
n-Butylbenzene	<0.033	mg/kg	0.073	0.033	1	10/26/21 08:45	10/27/21 21:31	104-51-8	
sec-Butylbenzene	<0.018	mg/kg	0.073	0.018	1	10/26/21 08:45	10/27/21 21:31	135-98-8	
tert-Butylbenzene	<0.023	mg/kg	0.073	0.023	1	10/26/21 08:45	10/27/21 21:31	98-06-6	
Carbon tetrachloride	<0.016	mg/kg	0.073	0.016	1	10/26/21 08:45	10/27/21 21:31	56-23-5	
Chlorobenzene	<0.0087	mg/kg	0.073	0.0087	1	10/26/21 08:45	10/27/21 21:31	108-90-7	
Chloroethane	<0.031	mg/kg	0.36	0.031	1	10/26/21 08:45	10/27/21 21:31	75-00-3	
Chloroform	<0.052	mg/kg	0.36	0.052	1	10/26/21 08:45	10/27/21 21:31	67-66-3	
Chloromethane	<0.028	mg/kg	0.073	0.028	1	10/26/21 08:45	10/27/21 21:31	74-87-3	
2-Chlorotoluene	<0.024	mg/kg	0.073	0.024	1	10/26/21 08:45	10/27/21 21:31	95-49-8	
4-Chlorotoluene	<0.028	mg/kg	0.073	0.028	1	10/26/21 08:45	10/27/21 21:31	106-43-4	
1,2-Dibromo-3-chloropropane	<0.056	mg/kg	0.36	0.056	1	10/26/21 08:45	10/27/21 21:31	96-12-8	
Dibromochloromethane	<0.25	mg/kg	0.36	0.25	1	10/26/21 08:45	10/27/21 21:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	106-93-4	
Dibromomethane	<0.021	mg/kg	0.073	0.021	1	10/26/21 08:45	10/27/21 21:31	74-95-3	
1,2-Dichlorobenzene	<0.022	mg/kg	0.073	0.022	1	10/26/21 08:45	10/27/21 21:31	95-50-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-2 (0-2) **Lab ID: 40235717003** Collected: 10/21/21 09:12 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	541-73-1	
1,4-Dichlorobenzene	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	106-46-7	
Dichlorodifluoromethane	<0.031	mg/kg	0.073	0.031	1	10/26/21 08:45	10/27/21 21:31	75-71-8	
1,1-Dichloroethane	<0.019	mg/kg	0.073	0.019	1	10/26/21 08:45	10/27/21 21:31	75-34-3	
1,2-Dichloroethane	<0.017	mg/kg	0.073	0.017	1	10/26/21 08:45	10/27/21 21:31	107-06-2	
1,1-Dichloroethene	<0.024	mg/kg	0.073	0.024	1	10/26/21 08:45	10/27/21 21:31	75-35-4	
cis-1,2-Dichloroethene	<0.016	mg/kg	0.073	0.016	1	10/26/21 08:45	10/27/21 21:31	156-59-2	
trans-1,2-Dichloroethene	<0.016	mg/kg	0.073	0.016	1	10/26/21 08:45	10/27/21 21:31	156-60-5	
1,2-Dichloropropane	<0.017	mg/kg	0.073	0.017	1	10/26/21 08:45	10/27/21 21:31	78-87-5	
1,3-Dichloropropane	<0.016	mg/kg	0.073	0.016	1	10/26/21 08:45	10/27/21 21:31	142-28-9	
2,2-Dichloropropane	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	594-20-7	
1,1-Dichloropropene	<0.024	mg/kg	0.073	0.024	1	10/26/21 08:45	10/27/21 21:31	563-58-6	
cis-1,3-Dichloropropene	<0.048	mg/kg	0.36	0.048	1	10/26/21 08:45	10/27/21 21:31	10061-01-5	
trans-1,3-Dichloropropene	<0.21	mg/kg	0.36	0.21	1	10/26/21 08:45	10/27/21 21:31	10061-02-6	
Diisopropyl ether	<0.018	mg/kg	0.073	0.018	1	10/26/21 08:45	10/27/21 21:31	108-20-3	
Ethylbenzene	<0.017	mg/kg	0.073	0.017	1	10/26/21 08:45	10/27/21 21:31	100-41-4	
Hexachloro-1,3-butadiene	<0.14	mg/kg	0.36	0.14	1	10/26/21 08:45	10/27/21 21:31	87-68-3	
Isopropylbenzene (Cumene)	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	98-82-8	
p-Isopropyltoluene	<0.022	mg/kg	0.073	0.022	1	10/26/21 08:45	10/27/21 21:31	99-87-6	
Methylene Chloride	<0.020	mg/kg	0.073	0.020	1	10/26/21 08:45	10/27/21 21:31	75-09-2	
Methyl-tert-butyl ether	<0.021	mg/kg	0.073	0.021	1	10/26/21 08:45	10/27/21 21:31	1634-04-4	
Naphthalene	<0.023	mg/kg	0.36	0.023	1	10/26/21 08:45	10/27/21 21:31	91-20-3	
n-Propylbenzene	<0.017	mg/kg	0.073	0.017	1	10/26/21 08:45	10/27/21 21:31	103-65-1	
Styrene	<0.019	mg/kg	0.073	0.019	1	10/26/21 08:45	10/27/21 21:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.017	mg/kg	0.073	0.017	1	10/26/21 08:45	10/27/21 21:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.026	mg/kg	0.073	0.026	1	10/26/21 08:45	10/27/21 21:31	79-34-5	
Tetrachloroethene	<0.028	mg/kg	0.073	0.028	1	10/26/21 08:45	10/27/21 21:31	127-18-4	
Toluene	<0.018	mg/kg	0.073	0.018	1	10/26/21 08:45	10/27/21 21:31	108-88-3	
1,2,3-Trichlorobenzene	<0.081	mg/kg	0.36	0.081	1	10/26/21 08:45	10/27/21 21:31	87-61-6	
1,2,4-Trichlorobenzene	<0.060	mg/kg	0.36	0.060	1	10/26/21 08:45	10/27/21 21:31	120-82-1	
1,1,1-Trichloroethane	<0.019	mg/kg	0.073	0.019	1	10/26/21 08:45	10/27/21 21:31	71-55-6	
1,1,2-Trichloroethane	<0.026	mg/kg	0.073	0.026	1	10/26/21 08:45	10/27/21 21:31	79-00-5	
Trichloroethene	<0.027	mg/kg	0.073	0.027	1	10/26/21 08:45	10/27/21 21:31	79-01-6	
Trichlorofluoromethane	<0.021	mg/kg	0.073	0.021	1	10/26/21 08:45	10/27/21 21:31	75-69-4	
1,2,3-Trichloropropane	<0.035	mg/kg	0.073	0.035	1	10/26/21 08:45	10/27/21 21:31	96-18-4	
1,2,4-Trimethylbenzene	<0.022	mg/kg	0.073	0.022	1	10/26/21 08:45	10/27/21 21:31	95-63-6	
1,3,5-Trimethylbenzene	<0.023	mg/kg	0.073	0.023	1	10/26/21 08:45	10/27/21 21:31	108-67-8	
Vinyl chloride	<0.015	mg/kg	0.073	0.015	1	10/26/21 08:45	10/27/21 21:31	75-01-4	
m&p-Xylene	<0.031	mg/kg	0.15	0.031	1	10/26/21 08:45	10/27/21 21:31	179601-23-1	
o-Xylene	<0.022	mg/kg	0.073	0.022	1	10/26/21 08:45	10/27/21 21:31	95-47-6	
Surrogates									
Toluene-d8 (S)	131	%	67-159		1	10/26/21 08:45	10/27/21 21:31	2037-26-5	
4-Bromofluorobenzene (S)	139	%	66-153		1	10/26/21 08:45	10/27/21 21:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	129	%	82-158		1	10/26/21 08:45	10/27/21 21:31	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-2 (0-2) Lab ID: 40235717003 Collected: 10/21/21 09:12 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.4	%	0.10	0.10	1		10/26/21 09:04		

Sample: SB-2 (4-6) Lab ID: 40235717004 Collected: 10/21/21 09:15 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	24.5	mg/kg	2.8	1.6	1	10/26/21 07:24	10/26/21 18:39	7440-38-2	
Barium	59.6	mg/kg	0.56	0.17	1	10/26/21 07:24	10/26/21 18:39	7440-39-3	
Cadmium	0.34J	mg/kg	0.56	0.15	1	10/26/21 07:24	10/26/21 18:39	7440-43-9	
Chromium	15.2	mg/kg	1.1	0.31	1	10/26/21 07:24	10/26/21 18:39	7440-47-3	
Lead	6.7	mg/kg	2.2	0.67	1	10/26/21 07:24	10/26/21 18:39	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	10/26/21 07:24	10/26/21 18:39	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 07:24	10/26/21 18:39	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.018J	mg/kg	0.038	0.011	1	11/02/21 06:43	11/02/21 10:55	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 15:10	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	11/01/21 15:10	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	11/01/21 15:10	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.098	0.029	1	10/28/21 12:41	11/01/21 15:10	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.095	0.029	1	10/28/21 12:41	11/01/21 15:10	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	11/01/21 15:10	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 15:10	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	10/28/21 12:41	11/01/21 15:10	207-08-9	
Chrysene	<0.028	mg/kg	0.095	0.028	1	10/28/21 12:41	11/01/21 15:10	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	11/01/21 15:10	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	11/01/21 15:10	123-91-1	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	10/28/21 12:41	11/01/21 15:10	206-44-0	
Fluorene	<0.022	mg/kg	0.074	0.022	1	10/28/21 12:41	11/01/21 15:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	11/01/21 15:10	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	11/01/21 15:10	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 15:10	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	10/28/21 12:41	11/01/21 15:10	91-20-3	
Phenanthrene	<0.024	mg/kg	0.081	0.024	1	10/28/21 12:41	11/01/21 15:10	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 15:10	129-00-0	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-2 (4-6) **Lab ID: 40235717004** Collected: 10/21/21 09:15 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	84	%	40-96		1	10/28/21 12:41	11/01/21 15:10	4165-60-0	
2-Fluorobiphenyl (S)	86	%	14-110		1	10/28/21 12:41	11/01/21 15:10	321-60-8	
Terphenyl-d14 (S)	87	%	10-121		1	10/28/21 12:41	11/01/21 15:10	1718-51-0	
Phenol-d6 (S)	79	%	14-104		1	10/28/21 12:41	11/01/21 15:10	13127-88-3	
2-Fluorophenol (S)	76	%	10-112		1	10/28/21 12:41	11/01/21 15:10	367-12-4	
2,4,6-Tribromophenol (S)	81	%	10-128		1	10/28/21 12:41	11/01/21 15:10	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/27/21 22:30	71-43-2	
Bromobenzene	<0.025	mg/kg	0.064	0.025	1	10/26/21 08:45	10/27/21 22:30	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:30	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:30	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/26/21 08:45	10/27/21 22:30	75-25-2	
Bromomethane	<0.089	mg/kg	0.32	0.089	1	10/26/21 08:45	10/27/21 22:30	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.064	0.029	1	10/26/21 08:45	10/27/21 22:30	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:30	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/27/21 22:30	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:30	56-23-5	
Chlorobenzene	<0.0076	mg/kg	0.064	0.0076	1	10/26/21 08:45	10/27/21 22:30	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/26/21 08:45	10/27/21 22:30	75-00-3	
Chloroform	<0.046	mg/kg	0.32	0.046	1	10/26/21 08:45	10/27/21 22:30	67-66-3	
Chloromethane	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/27/21 22:30	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:30	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/27/21 22:30	106-43-4	
1,2-Dibromo-3-chloropropane	<0.049	mg/kg	0.32	0.049	1	10/26/21 08:45	10/27/21 22:30	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/26/21 08:45	10/27/21 22:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:30	106-93-4	
Dibromomethane	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:30	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/27/21 22:30	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:30	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:30	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.064	0.027	1	10/26/21 08:45	10/27/21 22:30	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:30	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:30	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:30	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:30	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:30	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:30	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/27/21 22:30	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:30	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:30	563-58-6	
cis-1,3-Dichloropropene	<0.042	mg/kg	0.32	0.042	1	10/26/21 08:45	10/27/21 22:30	10061-01-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-2 (4-6) **Lab ID: 40235717004** Collected: 10/21/21 09:15 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/26/21 08:45	10/27/21 22:30	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:30	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:30	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/26/21 08:45	10/27/21 22:30	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/27/21 22:30	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:30	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:30	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:30	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/26/21 08:45	10/27/21 22:30	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:30	103-65-1	
Styrene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/27/21 22:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.064	0.023	1	10/26/21 08:45	10/27/21 22:30	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.064	0.025	1	10/26/21 08:45	10/27/21 22:30	127-18-4	
Toluene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:30	108-88-3	
1,2,3-Trichlorobenzene	<0.071	mg/kg	0.32	0.071	1	10/26/21 08:45	10/27/21 22:30	87-61-6	
1,2,4-Trichlorobenzene	<0.052	mg/kg	0.32	0.052	1	10/26/21 08:45	10/27/21 22:30	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/27/21 22:30	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.064	0.023	1	10/26/21 08:45	10/27/21 22:30	79-00-5	
Trichloroethene	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/27/21 22:30	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/27/21 22:30	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.064	0.031	1	10/26/21 08:45	10/27/21 22:30	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:30	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/27/21 22:30	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.064	0.013	1	10/26/21 08:45	10/27/21 22:30	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/26/21 08:45	10/27/21 22:30	179601-23-1	
o-Xylene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/27/21 22:30	95-47-6	
Surrogates									
Toluene-d8 (S)	127	%	67-159		1	10/26/21 08:45	10/27/21 22:30	2037-26-5	
4-Bromofluorobenzene (S)	132	%	66-153		1	10/26/21 08:45	10/27/21 22:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	121	%	82-158		1	10/26/21 08:45	10/27/21 22:30	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.0	%	0.10	0.10	1		10/26/21 09:04		

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-3 (2-4) **Lab ID: 40235717005** Collected: 10/21/21 09:57 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.6J	mg/kg	2.6	1.6	1	10/26/21 07:24	10/26/21 18:41	7440-38-2	
Barium	34.6	mg/kg	0.53	0.16	1	10/26/21 07:24	10/26/21 18:41	7440-39-3	
Cadmium	0.22J	mg/kg	0.53	0.14	1	10/26/21 07:24	10/26/21 18:41	7440-43-9	
Chromium	11.5	mg/kg	1.1	0.29	1	10/26/21 07:24	10/26/21 18:41	7440-47-3	
Lead	5.1	mg/kg	2.1	0.63	1	10/26/21 07:24	10/26/21 18:41	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 07:24	10/26/21 18:41	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/26/21 07:24	10/26/21 18:41	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.014J	mg/kg	0.036	0.010	1	11/02/21 06:43	11/02/21 10:58	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.20	mg/kg	0.66	0.20	3	10/28/21 12:41	10/29/21 19:21	83-32-9	
Acenaphthylene	<0.20	mg/kg	0.67	0.20	3	10/28/21 12:41	10/29/21 19:21	208-96-8	
Anthracene	<0.089	mg/kg	0.30	0.089	3	10/28/21 12:41	10/29/21 19:21	120-12-7	
Benzo(a)anthracene	<0.087	mg/kg	0.29	0.087	3	10/28/21 12:41	10/29/21 19:21	56-55-3	
Benzo(a)pyrene	<0.084	mg/kg	0.28	0.084	3	10/28/21 12:41	10/29/21 19:21	50-32-8	
Benzo(b)fluoranthene	<0.096	mg/kg	0.32	0.096	3	10/28/21 12:41	10/29/21 19:21	205-99-2	
Benzo(g,h,i)perylene	<0.15	mg/kg	0.49	0.15	3	10/28/21 12:41	10/29/21 19:21	191-24-2	
Benzo(k)fluoranthene	<0.13	mg/kg	0.45	0.13	3	10/28/21 12:41	10/29/21 19:21	207-08-9	
Chrysene	<0.084	mg/kg	0.28	0.084	3	10/28/21 12:41	10/29/21 19:21	218-01-9	
Dibenz(a,h)anthracene	<0.15	mg/kg	0.51	0.15	3	10/28/21 12:41	10/29/21 19:21	53-70-3	R1
1,4-Dioxane (p-Dioxane)	<0.30	mg/kg	1.0	0.30	3	10/28/21 12:41	10/29/21 19:21	123-91-1	
Fluoranthene	<0.079	mg/kg	0.26	0.079	3	10/28/21 12:41	10/29/21 19:21	206-44-0	
Fluorene	<0.065	mg/kg	0.22	0.065	3	10/28/21 12:41	10/29/21 19:21	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.12	mg/kg	0.40	0.12	3	10/28/21 12:41	10/29/21 19:21	193-39-5	R1
1-Methylnaphthalene	<0.16	mg/kg	0.53	0.16	3	10/28/21 12:41	10/29/21 19:21	90-12-0	
2-Methylnaphthalene	<0.15	mg/kg	0.48	0.15	3	10/28/21 12:41	10/29/21 19:21	91-57-6	
Naphthalene	<0.20	mg/kg	0.65	0.20	3	10/28/21 12:41	10/29/21 19:21	91-20-3	
Phenanthrene	<0.072	mg/kg	0.24	0.072	3	10/28/21 12:41	10/29/21 19:21	85-01-8	
Pyrene	<0.12	mg/kg	0.41	0.12	3	10/28/21 12:41	10/29/21 19:21	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	40	%	40-96		3	10/28/21 12:41	10/29/21 19:21	4165-60-0	
2-Fluorobiphenyl (S)	49	%	14-110		3	10/28/21 12:41	10/29/21 19:21	321-60-8	
Terphenyl-d14 (S)	69	%	10-121		3	10/28/21 12:41	10/29/21 19:21	1718-51-0	
Phenol-d6 (S)	41	%	14-104		3	10/28/21 12:41	10/29/21 19:21	13127-88-3	
2-Fluorophenol (S)	39	%	10-112		3	10/28/21 12:41	10/29/21 19:21	367-12-4	
2,4,6-Tribromophenol (S)	59	%	10-128		3	10/28/21 12:41	10/29/21 19:21	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/27/21 22:49	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-3 (2-4) **Lab ID: 40235717005** Collected: 10/21/21 09:57 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/27/21 22:49	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	10/26/21 08:45	10/27/21 22:49	75-25-2	
Bromomethane	<0.086	mg/kg	0.31	0.086	1	10/26/21 08:45	10/27/21 22:49	74-83-9	
n-Butylbenzene	<0.028	mg/kg	0.062	0.028	1	10/26/21 08:45	10/27/21 22:49	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	135-98-8	
tert-Butylbenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/27/21 22:49	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/27/21 22:49	56-23-5	
Chlorobenzene	<0.0074	mg/kg	0.062	0.0074	1	10/26/21 08:45	10/27/21 22:49	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/26/21 08:45	10/27/21 22:49	75-00-3	
Chloroform	<0.044	mg/kg	0.31	0.044	1	10/26/21 08:45	10/27/21 22:49	67-66-3	
Chloromethane	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/27/21 22:49	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/27/21 22:49	95-49-8	
4-Chlorotoluene	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/27/21 22:49	106-43-4	
1,2-Dibromo-3-chloropropane	<0.048	mg/kg	0.31	0.048	1	10/26/21 08:45	10/27/21 22:49	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/26/21 08:45	10/27/21 22:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	106-93-4	
Dibromomethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/27/21 22:49	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/27/21 22:49	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	106-46-7	
Dichlorodifluoromethane	<0.026	mg/kg	0.062	0.026	1	10/26/21 08:45	10/27/21 22:49	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/27/21 22:49	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/27/21 22:49	107-06-2	
1,1-Dichloroethene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/27/21 22:49	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/27/21 22:49	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/27/21 22:49	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	78-87-5	
1,3-Dichloropropane	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/27/21 22:49	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/27/21 22:49	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/26/21 08:45	10/27/21 22:49	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/26/21 08:45	10/27/21 22:49	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/26/21 08:45	10/27/21 22:49	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/27/21 22:49	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/27/21 22:49	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/27/21 22:49	1634-04-4	
Naphthalene	<0.019	mg/kg	0.31	0.019	1	10/26/21 08:45	10/27/21 22:49	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	103-65-1	
Styrene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/27/21 22:49	100-42-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-3 (2-4) **Lab ID: 40235717005** Collected: 10/21/21 09:57 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/27/21 22:49	630-20-6	
1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.062	0.022	1	10/26/21 08:45	10/27/21 22:49	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/27/21 22:49	127-18-4	
Toluene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/27/21 22:49	108-88-3	
1,2,3-Trichlorobenzene	<0.069	mg/kg	0.31	0.069	1	10/26/21 08:45	10/27/21 22:49	87-61-6	
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.31	0.051	1	10/26/21 08:45	10/27/21 22:49	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/27/21 22:49	71-55-6	
1,1,2-Trichloroethane	<0.022	mg/kg	0.062	0.022	1	10/26/21 08:45	10/27/21 22:49	79-00-5	
Trichloroethene	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/27/21 22:49	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/27/21 22:49	75-69-4	
1,2,3-Trichloropropane	<0.030	mg/kg	0.062	0.030	1	10/26/21 08:45	10/27/21 22:49	96-18-4	
1,2,4-Trimethylbenzene	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/27/21 22:49	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/27/21 22:49	108-67-8	
Vinyl chloride	<0.012	mg/kg	0.062	0.012	1	10/26/21 08:45	10/27/21 22:49	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.12	0.026	1	10/26/21 08:45	10/27/21 22:49	179601-23-1	
o-Xylene	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/27/21 22:49	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	10/26/21 08:45	10/27/21 22:49	2037-26-5	
4-Bromofluorobenzene (S)	125	%	66-153		1	10/26/21 08:45	10/27/21 22:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	115	%	82-158		1	10/26/21 08:45	10/27/21 22:49	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.4	%	0.10	0.10	1		10/26/21 09:04		

Sample: SB-3 (10-12) **Lab ID: 40235717006** Collected: 10/21/21 10:05 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/26/21 07:24	10/26/21 18:44	7440-38-2	
Barium	10.5	mg/kg	0.52	0.15	1	10/26/21 07:24	10/26/21 18:44	7440-39-3	
Cadmium	0.18J	mg/kg	0.52	0.14	1	10/26/21 07:24	10/26/21 18:44	7440-43-9	
Chromium	6.6	mg/kg	1.0	0.29	1	10/26/21 07:24	10/26/21 18:44	7440-47-3	
Lead	4.0	mg/kg	2.1	0.62	1	10/26/21 07:24	10/26/21 18:44	7439-92-1	
Selenium	<1.4	mg/kg	4.1	1.4	1	10/26/21 07:24	10/26/21 18:44	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/26/21 07:24	10/26/21 18:44	7440-22-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-3 (10-12) **Lab ID: 40235717006** Collected: 10/21/21 10:05 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.012J	mg/kg	0.035	0.010	1	11/02/21 06:43	11/02/21 11:00	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.065	mg/kg	0.22	0.065	1	10/28/21 12:41	10/29/21 15:50	83-32-9	
Acenaphthylene	<0.065	mg/kg	0.22	0.065	1	10/28/21 12:41	10/29/21 15:50	208-96-8	
Anthracene	<0.029	mg/kg	0.097	0.029	1	10/28/21 12:41	10/29/21 15:50	120-12-7	
Benzo(a)anthracene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	10/29/21 15:50	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.092	0.028	1	10/28/21 12:41	10/29/21 15:50	50-32-8	
Benzo(b)fluoranthene	<0.031	mg/kg	0.10	0.031	1	10/28/21 12:41	10/29/21 15:50	205-99-2	
Benzo(g,h,i)perylene	<0.048	mg/kg	0.16	0.048	1	10/28/21 12:41	10/29/21 15:50	191-24-2	
Benzo(k)fluoranthene	<0.044	mg/kg	0.15	0.044	1	10/28/21 12:41	10/29/21 15:50	207-08-9	
Chrysene	<0.027	mg/kg	0.091	0.027	1	10/28/21 12:41	10/29/21 15:50	218-01-9	
Dibenz(a,h)anthracene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	10/29/21 15:50	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.099	mg/kg	0.33	0.099	1	10/28/21 12:41	10/29/21 15:50	123-91-1	
Fluoranthene	<0.026	mg/kg	0.086	0.026	1	10/28/21 12:41	10/29/21 15:50	206-44-0	
Fluorene	<0.021	mg/kg	0.071	0.021	1	10/28/21 12:41	10/29/21 15:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.040	mg/kg	0.13	0.040	1	10/28/21 12:41	10/29/21 15:50	193-39-5	
1-Methylnaphthalene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	10/29/21 15:50	90-12-0	
2-Methylnaphthalene	<0.048	mg/kg	0.16	0.048	1	10/28/21 12:41	10/29/21 15:50	91-57-6	
Naphthalene	<0.064	mg/kg	0.21	0.064	1	10/28/21 12:41	10/29/21 15:50	91-20-3	
Phenanthrene	<0.023	mg/kg	0.078	0.023	1	10/28/21 12:41	10/29/21 15:50	85-01-8	
Pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	10/29/21 15:50	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	40-96		1	10/28/21 12:41	10/29/21 15:50	4165-60-0	
2-Fluorobiphenyl (S)	76	%	14-110		1	10/28/21 12:41	10/29/21 15:50	321-60-8	
Terphenyl-d14 (S)	106	%	10-121		1	10/28/21 12:41	10/29/21 15:50	1718-51-0	
Phenol-d6 (S)	67	%	14-104		1	10/28/21 12:41	10/29/21 15:50	13127-88-3	
2-Fluorophenol (S)	65	%	10-112		1	10/28/21 12:41	10/29/21 15:50	367-12-4	
2,4,6-Tribromophenol (S)	100	%	10-128		1	10/28/21 12:41	10/29/21 15:50	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.014	mg/kg	0.024	0.014	1	10/26/21 08:45	10/27/21 23:09	71-43-2	
Bromobenzene	<0.023	mg/kg	0.060	0.023	1	10/26/21 08:45	10/27/21 23:09	108-86-1	
Bromochloromethane	<0.016	mg/kg	0.060	0.016	1	10/26/21 08:45	10/27/21 23:09	74-97-5	
Bromodichloromethane	<0.014	mg/kg	0.060	0.014	1	10/26/21 08:45	10/27/21 23:09	75-27-4	
Bromoform	<0.26	mg/kg	0.30	0.26	1	10/26/21 08:45	10/27/21 23:09	75-25-2	
Bromomethane	<0.084	mg/kg	0.30	0.084	1	10/26/21 08:45	10/27/21 23:09	74-83-9	
n-Butylbenzene	<0.027	mg/kg	0.060	0.027	1	10/26/21 08:45	10/27/21 23:09	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.060	0.015	1	10/26/21 08:45	10/27/21 23:09	135-98-8	
tert-Butylbenzene	<0.019	mg/kg	0.060	0.019	1	10/26/21 08:45	10/27/21 23:09	98-06-6	
Carbon tetrachloride	<0.013	mg/kg	0.060	0.013	1	10/26/21 08:45	10/27/21 23:09	56-23-5	
Chlorobenzene	<0.0071	mg/kg	0.060	0.0071	1	10/26/21 08:45	10/27/21 23:09	108-90-7	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-3 (10-12) **Lab ID: 40235717006** Collected: 10/21/21 10:05 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.025	mg/kg	0.30	0.025	1	10/26/21 08:45	10/27/21 23:09	75-00-3	
Chloroform	<0.043	mg/kg	0.30	0.043	1	10/26/21 08:45	10/27/21 23:09	67-66-3	
Chloromethane	<0.023	mg/kg	0.060	0.023	1	10/26/21 08:45	10/27/21 23:09	74-87-3	
2-Chlorotoluene	<0.019	mg/kg	0.060	0.019	1	10/26/21 08:45	10/27/21 23:09	95-49-8	
4-Chlorotoluene	<0.023	mg/kg	0.060	0.023	1	10/26/21 08:45	10/27/21 23:09	106-43-4	
1,2-Dibromo-3-chloropropane	<0.046	mg/kg	0.30	0.046	1	10/26/21 08:45	10/27/21 23:09	96-12-8	
Dibromochloromethane	<0.20	mg/kg	0.30	0.20	1	10/26/21 08:45	10/27/21 23:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.016	mg/kg	0.060	0.016	1	10/26/21 08:45	10/27/21 23:09	106-93-4	
Dibromomethane	<0.018	mg/kg	0.060	0.018	1	10/26/21 08:45	10/27/21 23:09	74-95-3	
1,2-Dichlorobenzene	<0.018	mg/kg	0.060	0.018	1	10/26/21 08:45	10/27/21 23:09	95-50-1	
1,3-Dichlorobenzene	<0.016	mg/kg	0.060	0.016	1	10/26/21 08:45	10/27/21 23:09	541-73-1	
1,4-Dichlorobenzene	<0.016	mg/kg	0.060	0.016	1	10/26/21 08:45	10/27/21 23:09	106-46-7	
Dichlorodifluoromethane	<0.026	mg/kg	0.060	0.026	1	10/26/21 08:45	10/27/21 23:09	75-71-8	
1,1-Dichloroethane	<0.015	mg/kg	0.060	0.015	1	10/26/21 08:45	10/27/21 23:09	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.060	0.014	1	10/26/21 08:45	10/27/21 23:09	107-06-2	
1,1-Dichloroethene	<0.020	mg/kg	0.060	0.020	1	10/26/21 08:45	10/27/21 23:09	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.060	0.013	1	10/26/21 08:45	10/27/21 23:09	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.060	0.013	1	10/26/21 08:45	10/27/21 23:09	156-60-5	
1,2-Dichloropropane	<0.014	mg/kg	0.060	0.014	1	10/26/21 08:45	10/27/21 23:09	78-87-5	
1,3-Dichloropropane	<0.013	mg/kg	0.060	0.013	1	10/26/21 08:45	10/27/21 23:09	142-28-9	
2,2-Dichloropropane	<0.016	mg/kg	0.060	0.016	1	10/26/21 08:45	10/27/21 23:09	594-20-7	
1,1-Dichloropropene	<0.019	mg/kg	0.060	0.019	1	10/26/21 08:45	10/27/21 23:09	563-58-6	
cis-1,3-Dichloropropene	<0.039	mg/kg	0.30	0.039	1	10/26/21 08:45	10/27/21 23:09	10061-01-5	
trans-1,3-Dichloropropene	<0.17	mg/kg	0.30	0.17	1	10/26/21 08:45	10/27/21 23:09	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.060	0.015	1	10/26/21 08:45	10/27/21 23:09	108-20-3	
Ethylbenzene	<0.014	mg/kg	0.060	0.014	1	10/26/21 08:45	10/27/21 23:09	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.30	0.12	1	10/26/21 08:45	10/27/21 23:09	87-68-3	
Isopropylbenzene (Cumene)	<0.016	mg/kg	0.060	0.016	1	10/26/21 08:45	10/27/21 23:09	98-82-8	
p-Isopropyltoluene	<0.018	mg/kg	0.060	0.018	1	10/26/21 08:45	10/27/21 23:09	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.060	0.017	1	10/26/21 08:45	10/27/21 23:09	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.060	0.018	1	10/26/21 08:45	10/27/21 23:09	1634-04-4	
Naphthalene	<0.019	mg/kg	0.30	0.019	1	10/26/21 08:45	10/27/21 23:09	91-20-3	
n-Propylbenzene	<0.014	mg/kg	0.060	0.014	1	10/26/21 08:45	10/27/21 23:09	103-65-1	
Styrene	<0.015	mg/kg	0.060	0.015	1	10/26/21 08:45	10/27/21 23:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.014	mg/kg	0.060	0.014	1	10/26/21 08:45	10/27/21 23:09	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.060	0.022	1	10/26/21 08:45	10/27/21 23:09	79-34-5	
Tetrachloroethene	<0.023	mg/kg	0.060	0.023	1	10/26/21 08:45	10/27/21 23:09	127-18-4	
Toluene	<0.015	mg/kg	0.060	0.015	1	10/26/21 08:45	10/27/21 23:09	108-88-3	
1,2,3-Trichlorobenzene	<0.066	mg/kg	0.30	0.066	1	10/26/21 08:45	10/27/21 23:09	87-61-6	
1,2,4-Trichlorobenzene	<0.049	mg/kg	0.30	0.049	1	10/26/21 08:45	10/27/21 23:09	120-82-1	
1,1,1-Trichloroethane	<0.015	mg/kg	0.060	0.015	1	10/26/21 08:45	10/27/21 23:09	71-55-6	
1,1,2-Trichloroethane	<0.022	mg/kg	0.060	0.022	1	10/26/21 08:45	10/27/21 23:09	79-00-5	
Trichloroethene	1.0	mg/kg	0.060	0.022	1	10/26/21 08:45	10/27/21 23:09	79-01-6	
Trichlorofluoromethane	<0.017	mg/kg	0.060	0.017	1	10/26/21 08:45	10/27/21 23:09	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-3 (10-12) **Lab ID: 40235717006** Collected: 10/21/21 10:05 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.029	mg/kg	0.060	0.029	1	10/26/21 08:45	10/27/21 23:09	96-18-4	
1,2,4-Trimethylbenzene	<0.018	mg/kg	0.060	0.018	1	10/26/21 08:45	10/27/21 23:09	95-63-6	
1,3,5-Trimethylbenzene	<0.019	mg/kg	0.060	0.019	1	10/26/21 08:45	10/27/21 23:09	108-67-8	
Vinyl chloride	<0.012	mg/kg	0.060	0.012	1	10/26/21 08:45	10/27/21 23:09	75-01-4	
m&p-Xylene	<0.025	mg/kg	0.12	0.025	1	10/26/21 08:45	10/27/21 23:09	179601-23-1	
o-Xylene	<0.018	mg/kg	0.060	0.018	1	10/26/21 08:45	10/27/21 23:09	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	67-159		1	10/26/21 08:45	10/27/21 23:09	2037-26-5	
4-Bromofluorobenzene (S)	112	%	66-153		1	10/26/21 08:45	10/27/21 23:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	82-158		1	10/26/21 08:45	10/27/21 23:09	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.8	%	0.10	0.10	1		10/26/21 09:04		

Sample: SB-4 (6-8) **Lab ID: 40235717007** Collected: 10/21/21 10:36 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.1	mg/kg	2.8	1.6	1	10/26/21 07:24	10/26/21 18:46	7440-38-2	
Barium	55.0	mg/kg	0.56	0.17	1	10/26/21 07:24	10/26/21 18:46	7440-39-3	
Cadmium	0.22J	mg/kg	0.56	0.15	1	10/26/21 07:24	10/26/21 18:46	7440-43-9	
Chromium	12.4	mg/kg	1.1	0.31	1	10/26/21 07:24	10/26/21 18:46	7440-47-3	
Lead	5.3	mg/kg	2.3	0.67	1	10/26/21 07:24	10/26/21 18:46	7439-92-1	
Selenium	<1.5	mg/kg	4.5	1.5	1	10/26/21 07:24	10/26/21 18:46	7782-49-2	
Silver	<0.35	mg/kg	1.1	0.35	1	10/26/21 07:24	10/26/21 18:46	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.014J	mg/kg	0.038	0.011	1	11/02/21 06:43	11/02/21 11:02	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.069	mg/kg	0.23	0.069	1	10/28/21 12:41	10/29/21 15:29	83-32-9	
Acenaphthylene	<0.069	mg/kg	0.23	0.069	1	10/28/21 12:41	10/29/21 15:29	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	10/28/21 12:41	10/29/21 15:29	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	10/29/21 15:29	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.098	0.029	1	10/28/21 12:41	10/29/21 15:29	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	10/29/21 15:29	205-99-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-4 (6-8) **Lab ID: 40235717007** Collected: 10/21/21 10:36 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Benzo(g,h,i)perylene	<0.051	mg/kg	0.17	0.051	1	10/28/21 12:41	10/29/21 15:29	191-24-2	
Benzo(k)fluoranthene	<0.047	mg/kg	0.16	0.047	1	10/28/21 12:41	10/29/21 15:29	207-08-9	
Chrysene	<0.029	mg/kg	0.097	0.029	1	10/28/21 12:41	10/29/21 15:29	218-01-9	
Dibenz(a,h)anthracene	<0.053	mg/kg	0.18	0.053	1	10/28/21 12:41	10/29/21 15:29	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.35	0.11	1	10/28/21 12:41	10/29/21 15:29	123-91-1	
Fluoranthene	<0.028	mg/kg	0.092	0.028	1	10/28/21 12:41	10/29/21 15:29	206-44-0	
Fluorene	<0.023	mg/kg	0.076	0.023	1	10/28/21 12:41	10/29/21 15:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	10/29/21 15:29	193-39-5	
1-Methylnaphthalene	<0.055	mg/kg	0.18	0.055	1	10/28/21 12:41	10/29/21 15:29	90-12-0	
2-Methylnaphthalene	<0.051	mg/kg	0.17	0.051	1	10/28/21 12:41	10/29/21 15:29	91-57-6	
Naphthalene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	10/29/21 15:29	91-20-3	
Phenanthrene	<0.025	mg/kg	0.083	0.025	1	10/28/21 12:41	10/29/21 15:29	85-01-8	
Pyrene	<0.043	mg/kg	0.14	0.043	1	10/28/21 12:41	10/29/21 15:29	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	76	%	40-96		1	10/28/21 12:41	10/29/21 15:29	4165-60-0	
2-Fluorobiphenyl (S)	78	%	14-110		1	10/28/21 12:41	10/29/21 15:29	321-60-8	
Terphenyl-d14 (S)	94	%	10-121		1	10/28/21 12:41	10/29/21 15:29	1718-51-0	
Phenol-d6 (S)	71	%	14-104		1	10/28/21 12:41	10/29/21 15:29	13127-88-3	
2-Fluorophenol (S)	71	%	10-112		1	10/28/21 12:41	10/29/21 15:29	367-12-4	
2,4,6-Tribromophenol (S)	85	%	10-128		1	10/28/21 12:41	10/29/21 15:29	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.016	mg/kg	0.027	0.016	1	10/26/21 08:45	10/27/21 23:28	71-43-2	
Bromobenzene	<0.026	mg/kg	0.067	0.026	1	10/26/21 08:45	10/27/21 23:28	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.067	0.018	1	10/26/21 08:45	10/27/21 23:28	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.067	0.016	1	10/26/21 08:45	10/27/21 23:28	75-27-4	
Bromoform	<0.29	mg/kg	0.33	0.29	1	10/26/21 08:45	10/27/21 23:28	75-25-2	
Bromomethane	<0.093	mg/kg	0.33	0.093	1	10/26/21 08:45	10/27/21 23:28	74-83-9	
n-Butylbenzene	<0.031	mg/kg	0.067	0.031	1	10/26/21 08:45	10/27/21 23:28	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.067	0.016	1	10/26/21 08:45	10/27/21 23:28	135-98-8	
tert-Butylbenzene	<0.021	mg/kg	0.067	0.021	1	10/26/21 08:45	10/27/21 23:28	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.067	0.015	1	10/26/21 08:45	10/27/21 23:28	56-23-5	
Chlorobenzene	<0.0080	mg/kg	0.067	0.0080	1	10/26/21 08:45	10/27/21 23:28	108-90-7	
Chloroethane	<0.028	mg/kg	0.33	0.028	1	10/26/21 08:45	10/27/21 23:28	75-00-3	
Chloroform	<0.048	mg/kg	0.33	0.048	1	10/26/21 08:45	10/27/21 23:28	67-66-3	
Chloromethane	<0.025	mg/kg	0.067	0.025	1	10/26/21 08:45	10/27/21 23:28	74-87-3	
2-Chlorotoluene	<0.022	mg/kg	0.067	0.022	1	10/26/21 08:45	10/27/21 23:28	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.067	0.025	1	10/26/21 08:45	10/27/21 23:28	106-43-4	
1,2-Dibromo-3-chloropropane	<0.052	mg/kg	0.33	0.052	1	10/26/21 08:45	10/27/21 23:28	96-12-8	
Dibromochloromethane	<0.23	mg/kg	0.33	0.23	1	10/26/21 08:45	10/27/21 23:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.067	0.018	1	10/26/21 08:45	10/27/21 23:28	106-93-4	
Dibromomethane	<0.020	mg/kg	0.067	0.020	1	10/26/21 08:45	10/27/21 23:28	74-95-3	
1,2-Dichlorobenzene	<0.021	mg/kg	0.067	0.021	1	10/26/21 08:45	10/27/21 23:28	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-4 (6-8) **Lab ID: 40235717007** Collected: 10/21/21 10:36 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.018	mg/kg	0.067	0.018	1	10/26/21 08:45	10/27/21 23:28	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.067	0.018	1	10/26/21 08:45	10/27/21 23:28	106-46-7	
Dichlorodifluoromethane	<0.029	mg/kg	0.067	0.029	1	10/26/21 08:45	10/27/21 23:28	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.067	0.017	1	10/26/21 08:45	10/27/21 23:28	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.067	0.015	1	10/26/21 08:45	10/27/21 23:28	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.067	0.022	1	10/26/21 08:45	10/27/21 23:28	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.067	0.014	1	10/26/21 08:45	10/27/21 23:28	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.067	0.014	1	10/26/21 08:45	10/27/21 23:28	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.067	0.016	1	10/26/21 08:45	10/27/21 23:28	78-87-5	
1,3-Dichloropropane	<0.015	mg/kg	0.067	0.015	1	10/26/21 08:45	10/27/21 23:28	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.067	0.018	1	10/26/21 08:45	10/27/21 23:28	594-20-7	
1,1-Dichloropropene	<0.022	mg/kg	0.067	0.022	1	10/26/21 08:45	10/27/21 23:28	563-58-6	
cis-1,3-Dichloropropene	<0.044	mg/kg	0.33	0.044	1	10/26/21 08:45	10/27/21 23:28	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.33	0.19	1	10/26/21 08:45	10/27/21 23:28	10061-02-6	
Diisopropyl ether	<0.017	mg/kg	0.067	0.017	1	10/26/21 08:45	10/27/21 23:28	108-20-3	
Ethylbenzene	<0.016	mg/kg	0.067	0.016	1	10/26/21 08:45	10/27/21 23:28	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.33	0.13	1	10/26/21 08:45	10/27/21 23:28	87-68-3	
Isopropylbenzene (Cumene)	<0.018	mg/kg	0.067	0.018	1	10/26/21 08:45	10/27/21 23:28	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.067	0.020	1	10/26/21 08:45	10/27/21 23:28	99-87-6	
Methylene Chloride	<0.019	mg/kg	0.067	0.019	1	10/26/21 08:45	10/27/21 23:28	75-09-2	
Methyl-tert-butyl ether	<0.020	mg/kg	0.067	0.020	1	10/26/21 08:45	10/27/21 23:28	1634-04-4	
Naphthalene	<0.021	mg/kg	0.33	0.021	1	10/26/21 08:45	10/27/21 23:28	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.067	0.016	1	10/26/21 08:45	10/27/21 23:28	103-65-1	
Styrene	<0.017	mg/kg	0.067	0.017	1	10/26/21 08:45	10/27/21 23:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.067	0.016	1	10/26/21 08:45	10/27/21 23:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.024	mg/kg	0.067	0.024	1	10/26/21 08:45	10/27/21 23:28	79-34-5	
Tetrachloroethene	<0.026	mg/kg	0.067	0.026	1	10/26/21 08:45	10/27/21 23:28	127-18-4	
Toluene	<0.017	mg/kg	0.067	0.017	1	10/26/21 08:45	10/27/21 23:28	108-88-3	
1,2,3-Trichlorobenzene	<0.074	mg/kg	0.33	0.074	1	10/26/21 08:45	10/27/21 23:28	87-61-6	
1,2,4-Trichlorobenzene	<0.055	mg/kg	0.33	0.055	1	10/26/21 08:45	10/27/21 23:28	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.067	0.017	1	10/26/21 08:45	10/27/21 23:28	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.067	0.024	1	10/26/21 08:45	10/27/21 23:28	79-00-5	
Trichloroethene	<0.025	mg/kg	0.067	0.025	1	10/26/21 08:45	10/27/21 23:28	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.067	0.019	1	10/26/21 08:45	10/27/21 23:28	75-69-4	
1,2,3-Trichloropropane	<0.032	mg/kg	0.067	0.032	1	10/26/21 08:45	10/27/21 23:28	96-18-4	
1,2,4-Trimethylbenzene	<0.020	mg/kg	0.067	0.020	1	10/26/21 08:45	10/27/21 23:28	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.067	0.021	1	10/26/21 08:45	10/27/21 23:28	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.067	0.013	1	10/26/21 08:45	10/27/21 23:28	75-01-4	
m&p-Xylene	<0.028	mg/kg	0.13	0.028	1	10/26/21 08:45	10/27/21 23:28	179601-23-1	
o-Xylene	<0.020	mg/kg	0.067	0.020	1	10/26/21 08:45	10/27/21 23:28	95-47-6	
Surrogates									
Toluene-d8 (S)	115	%	67-159		1	10/26/21 08:45	10/27/21 23:28	2037-26-5	
4-Bromofluorobenzene (S)	117	%	66-153		1	10/26/21 08:45	10/27/21 23:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	10/26/21 08:45	10/27/21 23:28	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-4 (6-8) Lab ID: 40235717007 Collected: 10/21/21 10:36 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	14.3	%	0.10	0.10	1		10/26/21 09:04		

Sample: SB-4 (10-12) Lab ID: 40235717008 Collected: 10/21/21 10:42 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.3J	mg/kg	2.9	1.7	1	10/26/21 07:24	10/26/21 18:53	7440-38-2	
Barium	65.3	mg/kg	0.57	0.17	1	10/26/21 07:24	10/26/21 18:53	7440-39-3	
Cadmium	0.22J	mg/kg	0.57	0.15	1	10/26/21 07:24	10/26/21 18:53	7440-43-9	
Chromium	16.5	mg/kg	1.1	0.32	1	10/26/21 07:24	10/26/21 18:53	7440-47-3	
Lead	8.4	mg/kg	2.3	0.69	1	10/26/21 07:24	10/26/21 18:53	7439-92-1	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/26/21 07:24	10/26/21 18:53	7782-49-2	
Silver	<0.35	mg/kg	1.1	0.35	1	10/26/21 07:24	10/26/21 18:53	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.037	0.011	1	11/02/21 09:25	11/03/21 10:18	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	10/29/21 16:32	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	10/29/21 16:32	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	10/28/21 12:41	10/29/21 16:32	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	10/28/21 12:41	10/29/21 16:32	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.096	0.029	1	10/28/21 12:41	10/29/21 16:32	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	10/29/21 16:32	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	10/29/21 16:32	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	10/28/21 12:41	10/29/21 16:32	207-08-9	
Chrysene	<0.029	mg/kg	0.095	0.029	1	10/28/21 12:41	10/29/21 16:32	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	10/29/21 16:32	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.35	0.10	1	10/28/21 12:41	10/29/21 16:32	123-91-1	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	10/28/21 12:41	10/29/21 16:32	206-44-0	
Fluorene	<0.022	mg/kg	0.074	0.022	1	10/28/21 12:41	10/29/21 16:32	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	10/29/21 16:32	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	10/29/21 16:32	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	10/29/21 16:32	91-57-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	10/29/21 16:32	91-20-3	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	10/28/21 12:41	10/29/21 16:32	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	10/29/21 16:32	129-00-0	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-4 (10-12) **Lab ID: 40235717008** Collected: 10/21/21 10:42 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	77	%	40-96		1	10/28/21 12:41	10/29/21 16:32	4165-60-0	
2-Fluorobiphenyl (S)	73	%	14-110		1	10/28/21 12:41	10/29/21 16:32	321-60-8	
Terphenyl-d14 (S)	90	%	10-121		1	10/28/21 12:41	10/29/21 16:32	1718-51-0	
Phenol-d6 (S)	70	%	14-104		1	10/28/21 12:41	10/29/21 16:32	13127-88-3	
2-Fluorophenol (S)	73	%	10-112		1	10/28/21 12:41	10/29/21 16:32	367-12-4	
2,4,6-Tribromophenol (S)	67	%	10-128		1	10/28/21 12:41	10/29/21 16:32	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.026	0.015	1	10/26/21 08:45	10/27/21 23:48	71-43-2	
Bromobenzene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 23:48	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 23:48	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 23:48	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/26/21 08:45	10/27/21 23:48	75-25-2	
Bromomethane	<0.091	mg/kg	0.32	0.091	1	10/26/21 08:45	10/27/21 23:48	74-83-9	
n-Butylbenzene	<0.030	mg/kg	0.065	0.030	1	10/26/21 08:45	10/27/21 23:48	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 23:48	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/27/21 23:48	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 23:48	56-23-5	
Chlorobenzene	<0.0077	mg/kg	0.065	0.0077	1	10/26/21 08:45	10/27/21 23:48	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/26/21 08:45	10/27/21 23:48	75-00-3	
Chloroform	<0.046	mg/kg	0.32	0.046	1	10/26/21 08:45	10/27/21 23:48	67-66-3	
Chloromethane	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 23:48	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 23:48	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 23:48	106-43-4	
1,2-Dibromo-3-chloropropane	<0.050	mg/kg	0.32	0.050	1	10/26/21 08:45	10/27/21 23:48	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/26/21 08:45	10/27/21 23:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 23:48	106-93-4	
Dibromomethane	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 23:48	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/27/21 23:48	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 23:48	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 23:48	106-46-7	
Dichlorodifluoromethane	<0.028	mg/kg	0.065	0.028	1	10/26/21 08:45	10/27/21 23:48	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 23:48	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 23:48	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 23:48	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 23:48	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 23:48	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 23:48	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/27/21 23:48	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 23:48	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 23:48	563-58-6	
cis-1,3-Dichloropropene	<0.043	mg/kg	0.32	0.043	1	10/26/21 08:45	10/27/21 23:48	10061-01-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-4 (10-12) **Lab ID: 40235717008** Collected: 10/21/21 10:42 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/26/21 08:45	10/27/21 23:48	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 23:48	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/27/21 23:48	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/26/21 08:45	10/27/21 23:48	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 23:48	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/27/21 23:48	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/27/21 23:48	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 23:48	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/26/21 08:45	10/27/21 23:48	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 23:48	103-65-1	
Styrene	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 23:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 23:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.065	0.023	1	10/26/21 08:45	10/27/21 23:48	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/27/21 23:48	127-18-4	
Toluene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/27/21 23:48	108-88-3	
1,2,3-Trichlorobenzene	<0.072	mg/kg	0.32	0.072	1	10/26/21 08:45	10/27/21 23:48	87-61-6	
1,2,4-Trichlorobenzene	<0.053	mg/kg	0.32	0.053	1	10/26/21 08:45	10/27/21 23:48	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/27/21 23:48	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.065	0.024	1	10/26/21 08:45	10/27/21 23:48	79-00-5	
Trichloroethene	14.6	mg/kg	0.16	0.060	2.5	10/26/21 08:45	10/28/21 10:36	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 23:48	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.065	0.031	1	10/26/21 08:45	10/27/21 23:48	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 23:48	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/27/21 23:48	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.065	0.013	1	10/26/21 08:45	10/27/21 23:48	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/26/21 08:45	10/27/21 23:48	179601-23-1	
o-Xylene	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/27/21 23:48	95-47-6	
Surrogates									
Toluene-d8 (S)	122	%	67-159		1	10/26/21 08:45	10/27/21 23:48	2037-26-5	
4-Bromofluorobenzene (S)	130	%	66-153		1	10/26/21 08:45	10/27/21 23:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	125	%	82-158		1	10/26/21 08:45	10/27/21 23:48	2199-69-1	
8260 MSV TCLP									
Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 11/09/21 11:19									
Pace Analytical Services - Green Bay									
Trichloroethene	0.15	mg/L	0.020	0.0064	20		11/10/21 22:07	79-01-6	H2
Surrogates									
Toluene-d8 (S)	95	%	70-130		20		11/10/21 22:07	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		20		11/10/21 22:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		20		11/10/21 22:07	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.7	%	0.10	0.10	1		10/26/21 09:05		

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-5 (8-10) **Lab ID: 40235717009** Collected: 10/21/21 11:40 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.1	mg/kg	2.9	1.7	1	10/26/21 07:24	10/26/21 18:56	7440-38-2	
Barium	64.8	mg/kg	0.58	0.17	1	10/26/21 07:24	10/26/21 18:56	7440-39-3	
Cadmium	0.21J	mg/kg	0.58	0.15	1	10/26/21 07:24	10/26/21 18:56	7440-43-9	
Chromium	16.8	mg/kg	1.2	0.32	1	10/26/21 07:24	10/26/21 18:56	7440-47-3	
Lead	6.6	mg/kg	2.3	0.70	1	10/26/21 07:24	10/26/21 18:56	7439-92-1	
Selenium	<1.5	mg/kg	4.7	1.5	1	10/26/21 07:24	10/26/21 18:56	7782-49-2	
Silver	<0.36	mg/kg	1.2	0.36	1	10/26/21 07:24	10/26/21 18:56	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 09:25	11/03/21 10:21	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.071	mg/kg	0.24	0.071	1	10/28/21 12:41	10/29/21 16:53	83-32-9	
Acenaphthylene	<0.071	mg/kg	0.24	0.071	1	10/28/21 12:41	10/29/21 16:53	208-96-8	
Anthracene	<0.032	mg/kg	0.11	0.032	1	10/28/21 12:41	10/29/21 16:53	120-12-7	
Benzo(a)anthracene	<0.031	mg/kg	0.10	0.031	1	10/28/21 12:41	10/29/21 16:53	56-55-3	
Benzo(a)pyrene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	10/29/21 16:53	50-32-8	
Benzo(b)fluoranthene	<0.034	mg/kg	0.11	0.034	1	10/28/21 12:41	10/29/21 16:53	205-99-2	
Benzo(g,h,i)perylene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	10/29/21 16:53	191-24-2	
Benzo(k)fluoranthene	<0.048	mg/kg	0.16	0.048	1	10/28/21 12:41	10/29/21 16:53	207-08-9	
Chrysene	<0.030	mg/kg	0.099	0.030	1	10/28/21 12:41	10/29/21 16:53	218-01-9	
Dibenz(a,h)anthracene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	10/29/21 16:53	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.36	0.11	1	10/28/21 12:41	10/29/21 16:53	123-91-1	
Fluoranthene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	10/29/21 16:53	206-44-0	
Fluorene	<0.023	mg/kg	0.078	0.023	1	10/28/21 12:41	10/29/21 16:53	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.043	mg/kg	0.14	0.043	1	10/28/21 12:41	10/29/21 16:53	193-39-5	
1-Methylnaphthalene	<0.057	mg/kg	0.19	0.057	1	10/28/21 12:41	10/29/21 16:53	90-12-0	
2-Methylnaphthalene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	10/29/21 16:53	91-57-6	
Naphthalene	<0.070	mg/kg	0.23	0.070	1	10/28/21 12:41	10/29/21 16:53	91-20-3	
Phenanthrene	<0.026	mg/kg	0.085	0.026	1	10/28/21 12:41	10/29/21 16:53	85-01-8	
Pyrene	<0.044	mg/kg	0.15	0.044	1	10/28/21 12:41	10/29/21 16:53	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	90	%	40-96		1	10/28/21 12:41	10/29/21 16:53	4165-60-0	
2-Fluorobiphenyl (S)	86	%	14-110		1	10/28/21 12:41	10/29/21 16:53	321-60-8	
Terphenyl-d14 (S)	99	%	10-121		1	10/28/21 12:41	10/29/21 16:53	1718-51-0	
Phenol-d6 (S)	93	%	14-104		1	10/28/21 12:41	10/29/21 16:53	13127-88-3	
2-Fluorophenol (S)	96	%	10-112		1	10/28/21 12:41	10/29/21 16:53	367-12-4	
2,4,6-Tribromophenol (S)	88	%	10-128		1	10/28/21 12:41	10/29/21 16:53	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.017	mg/kg	0.028	0.017	1	10/26/21 08:45	10/28/21 09:57	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-5 (8-10) **Lab ID: 40235717009** Collected: 10/21/21 11:40 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.027	mg/kg	0.069	0.027	1	10/26/21 08:45	10/28/21 09:57	108-86-1	
Bromochloromethane	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	74-97-5	
Bromodichloromethane	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	75-27-4	
Bromoform	<0.31	mg/kg	0.35	0.31	1	10/26/21 08:45	10/28/21 09:57	75-25-2	
Bromomethane	<0.097	mg/kg	0.35	0.097	1	10/26/21 08:45	10/28/21 09:57	74-83-9	
n-Butylbenzene	<0.032	mg/kg	0.069	0.032	1	10/26/21 08:45	10/28/21 09:57	104-51-8	
sec-Butylbenzene	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	135-98-8	
tert-Butylbenzene	<0.022	mg/kg	0.069	0.022	1	10/26/21 08:45	10/28/21 09:57	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.069	0.015	1	10/26/21 08:45	10/28/21 09:57	56-23-5	
Chlorobenzene	<0.0083	mg/kg	0.069	0.0083	1	10/26/21 08:45	10/28/21 09:57	108-90-7	
Chloroethane	<0.029	mg/kg	0.35	0.029	1	10/26/21 08:45	10/28/21 09:57	75-00-3	
Chloroform	<0.050	mg/kg	0.35	0.050	1	10/26/21 08:45	10/28/21 09:57	67-66-3	
Chloromethane	<0.026	mg/kg	0.069	0.026	1	10/26/21 08:45	10/28/21 09:57	74-87-3	
2-Chlorotoluene	<0.023	mg/kg	0.069	0.023	1	10/26/21 08:45	10/28/21 09:57	95-49-8	
4-Chlorotoluene	<0.026	mg/kg	0.069	0.026	1	10/26/21 08:45	10/28/21 09:57	106-43-4	
1,2-Dibromo-3-chloropropane	<0.054	mg/kg	0.35	0.054	1	10/26/21 08:45	10/28/21 09:57	96-12-8	
Dibromochloromethane	<0.24	mg/kg	0.35	0.24	1	10/26/21 08:45	10/28/21 09:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	106-93-4	
Dibromomethane	<0.021	mg/kg	0.069	0.021	1	10/26/21 08:45	10/28/21 09:57	74-95-3	
1,2-Dichlorobenzene	<0.022	mg/kg	0.069	0.022	1	10/26/21 08:45	10/28/21 09:57	95-50-1	
1,3-Dichlorobenzene	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	541-73-1	
1,4-Dichlorobenzene	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	106-46-7	
Dichlorodifluoromethane	<0.030	mg/kg	0.069	0.030	1	10/26/21 08:45	10/28/21 09:57	75-71-8	
1,1-Dichloroethane	<0.018	mg/kg	0.069	0.018	1	10/26/21 08:45	10/28/21 09:57	75-34-3	
1,2-Dichloroethane	<0.016	mg/kg	0.069	0.016	1	10/26/21 08:45	10/28/21 09:57	107-06-2	
1,1-Dichloroethene	<0.023	mg/kg	0.069	0.023	1	10/26/21 08:45	10/28/21 09:57	75-35-4	
cis-1,2-Dichloroethene	<0.015	mg/kg	0.069	0.015	1	10/26/21 08:45	10/28/21 09:57	156-59-2	
trans-1,2-Dichloroethene	<0.015	mg/kg	0.069	0.015	1	10/26/21 08:45	10/28/21 09:57	156-60-5	
1,2-Dichloropropane	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	78-87-5	
1,3-Dichloropropane	<0.015	mg/kg	0.069	0.015	1	10/26/21 08:45	10/28/21 09:57	142-28-9	
2,2-Dichloropropane	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	594-20-7	
1,1-Dichloropropene	<0.023	mg/kg	0.069	0.023	1	10/26/21 08:45	10/28/21 09:57	563-58-6	
cis-1,3-Dichloropropene	<0.046	mg/kg	0.35	0.046	1	10/26/21 08:45	10/28/21 09:57	10061-01-5	
trans-1,3-Dichloropropene	<0.20	mg/kg	0.35	0.20	1	10/26/21 08:45	10/28/21 09:57	10061-02-6	
Diisopropyl ether	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	108-20-3	
Ethylbenzene	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	100-41-4	
Hexachloro-1,3-butadiene	<0.14	mg/kg	0.35	0.14	1	10/26/21 08:45	10/28/21 09:57	87-68-3	
Isopropylbenzene (Cumene)	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	98-82-8	
p-Isopropyltoluene	<0.021	mg/kg	0.069	0.021	1	10/26/21 08:45	10/28/21 09:57	99-87-6	
Methylene Chloride	<0.019	mg/kg	0.069	0.019	1	10/26/21 08:45	10/28/21 09:57	75-09-2	
Methyl-tert-butyl ether	<0.020	mg/kg	0.069	0.020	1	10/26/21 08:45	10/28/21 09:57	1634-04-4	
Naphthalene	<0.022	mg/kg	0.35	0.022	1	10/26/21 08:45	10/28/21 09:57	91-20-3	
n-Propylbenzene	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	103-65-1	
Styrene	<0.018	mg/kg	0.069	0.018	1	10/26/21 08:45	10/28/21 09:57	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-5 (8-10) **Lab ID: 40235717009** Collected: 10/21/21 11:40 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.017	mg/kg	0.069	0.017	1	10/26/21 08:45	10/28/21 09:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.069	0.025	1	10/26/21 08:45	10/28/21 09:57	79-34-5	
Tetrachloroethene	<0.027	mg/kg	0.069	0.027	1	10/26/21 08:45	10/28/21 09:57	127-18-4	
Toluene	<0.018	mg/kg	0.069	0.018	1	10/26/21 08:45	10/28/21 09:57	108-88-3	
1,2,3-Trichlorobenzene	<0.077	mg/kg	0.35	0.077	1	10/26/21 08:45	10/28/21 09:57	87-61-6	
1,2,4-Trichlorobenzene	<0.057	mg/kg	0.35	0.057	1	10/26/21 08:45	10/28/21 09:57	120-82-1	
1,1,1-Trichloroethane	<0.018	mg/kg	0.069	0.018	1	10/26/21 08:45	10/28/21 09:57	71-55-6	
1,1,2-Trichloroethane	<0.025	mg/kg	0.069	0.025	1	10/26/21 08:45	10/28/21 09:57	79-00-5	
Trichloroethene	<0.026	mg/kg	0.069	0.026	1	10/26/21 08:45	10/28/21 09:57	79-01-6	
Trichlorofluoromethane	<0.020	mg/kg	0.069	0.020	1	10/26/21 08:45	10/28/21 09:57	75-69-4	
1,2,3-Trichloropropane	<0.034	mg/kg	0.069	0.034	1	10/26/21 08:45	10/28/21 09:57	96-18-4	
1,2,4-Trimethylbenzene	<0.021	mg/kg	0.069	0.021	1	10/26/21 08:45	10/28/21 09:57	95-63-6	
1,3,5-Trimethylbenzene	<0.022	mg/kg	0.069	0.022	1	10/26/21 08:45	10/28/21 09:57	108-67-8	
Vinyl chloride	<0.014	mg/kg	0.069	0.014	1	10/26/21 08:45	10/28/21 09:57	75-01-4	
m&p-Xylene	<0.029	mg/kg	0.14	0.029	1	10/26/21 08:45	10/28/21 09:57	179601-23-1	
o-Xylene	<0.021	mg/kg	0.069	0.021	1	10/26/21 08:45	10/28/21 09:57	95-47-6	
Surrogates									
Toluene-d8 (S)	133	%	67-159		1	10/26/21 08:45	10/28/21 09:57	2037-26-5	
4-Bromofluorobenzene (S)	138	%	66-153		1	10/26/21 08:45	10/28/21 09:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	134	%	82-158		1	10/26/21 08:45	10/28/21 09:57	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	16.3	%	0.10	0.10	1		10/26/21 09:05		
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Sample: SB-5 (10-12) **Lab ID: 40235717010** Collected: 10/21/21 11:41 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	6.7	mg/kg	3.0	1.8	1	10/26/21 07:24	10/26/21 18:58	7440-38-2	
Barium	89.1	mg/kg	0.60	0.18	1	10/26/21 07:24	10/26/21 18:58	7440-39-3	
Cadmium	0.20J	mg/kg	0.60	0.16	1	10/26/21 07:24	10/26/21 18:58	7440-43-9	
Chromium	15.3	mg/kg	1.2	0.33	1	10/26/21 07:24	10/26/21 18:58	7440-47-3	
Lead	7.4	mg/kg	2.4	0.72	1	10/26/21 07:24	10/26/21 18:58	7439-92-1	
Selenium	<1.6	mg/kg	4.8	1.6	1	10/26/21 07:24	10/26/21 18:58	7782-49-2	
Silver	<0.37	mg/kg	1.2	0.37	1	10/26/21 07:24	10/26/21 18:58	7440-22-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-5 (10-12) **Lab ID: 40235717010** Collected: 10/21/21 11:41 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.012	mg/kg	0.041	0.012	1	11/02/21 09:25	11/03/21 10:23	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.072	mg/kg	0.24	0.072	1	10/28/21 12:41	10/29/21 17:15	83-32-9	
Acenaphthylene	<0.073	mg/kg	0.24	0.073	1	10/28/21 12:41	10/29/21 17:15	208-96-8	
Anthracene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	10/29/21 17:15	120-12-7	
Benzo(a)anthracene	0.047J	mg/kg	0.11	0.032	1	10/28/21 12:41	10/29/21 17:15	56-55-3	
Benzo(a)pyrene	0.040J	mg/kg	0.10	0.031	1	10/28/21 12:41	10/29/21 17:15	50-32-8	
Benzo(b)fluoranthene	0.043J	mg/kg	0.12	0.035	1	10/28/21 12:41	10/29/21 17:15	205-99-2	
Benzo(g,h,i)perylene	<0.053	mg/kg	0.18	0.053	1	10/28/21 12:41	10/29/21 17:15	191-24-2	
Benzo(k)fluoranthene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	10/29/21 17:15	207-08-9	
Chrysene	0.052J	mg/kg	0.10	0.030	1	10/28/21 12:41	10/29/21 17:15	218-01-9	
Dibenz(a,h)anthracene	<0.055	mg/kg	0.18	0.055	1	10/28/21 12:41	10/29/21 17:15	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.37	0.11	1	10/28/21 12:41	10/29/21 17:15	123-91-1	
Fluoranthene	0.11	mg/kg	0.096	0.029	1	10/28/21 12:41	10/29/21 17:15	206-44-0	
Fluorene	<0.024	mg/kg	0.079	0.024	1	10/28/21 12:41	10/29/21 17:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.044	mg/kg	0.15	0.044	1	10/28/21 12:41	10/29/21 17:15	193-39-5	
1-Methylnaphthalene	<0.058	mg/kg	0.19	0.058	1	10/28/21 12:41	10/29/21 17:15	90-12-0	
2-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	10/28/21 12:41	10/29/21 17:15	91-57-6	
Naphthalene	<0.071	mg/kg	0.24	0.071	1	10/28/21 12:41	10/29/21 17:15	91-20-3	
Phenanthrene	<0.026	mg/kg	0.087	0.026	1	10/28/21 12:41	10/29/21 17:15	85-01-8	
Pyrene	0.11J	mg/kg	0.15	0.045	1	10/28/21 12:41	10/29/21 17:15	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	85	%	40-96		1	10/28/21 12:41	10/29/21 17:15	4165-60-0	
2-Fluorobiphenyl (S)	71	%	14-110		1	10/28/21 12:41	10/29/21 17:15	321-60-8	
Terphenyl-d14 (S)	81	%	10-121		1	10/28/21 12:41	10/29/21 17:15	1718-51-0	
Phenol-d6 (S)	82	%	14-104		1	10/28/21 12:41	10/29/21 17:15	13127-88-3	
2-Fluorophenol (S)	84	%	10-112		1	10/28/21 12:41	10/29/21 17:15	367-12-4	
2,4,6-Tribromophenol (S)	78	%	10-128		1	10/28/21 12:41	10/29/21 17:15	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.017	mg/kg	0.029	0.017	1	10/26/21 08:45	10/28/21 00:27	71-43-2	
Bromobenzene	<0.028	mg/kg	0.072	0.028	1	10/26/21 08:45	10/28/21 00:27	108-86-1	
Bromochloromethane	<0.020	mg/kg	0.072	0.020	1	10/26/21 08:45	10/28/21 00:27	74-97-5	
Bromodichloromethane	<0.017	mg/kg	0.072	0.017	1	10/26/21 08:45	10/28/21 00:27	75-27-4	
Bromoform	<0.32	mg/kg	0.36	0.32	1	10/26/21 08:45	10/28/21 00:27	75-25-2	
Bromomethane	<0.10	mg/kg	0.36	0.10	1	10/26/21 08:45	10/28/21 00:27	74-83-9	
n-Butylbenzene	<0.033	mg/kg	0.072	0.033	1	10/26/21 08:45	10/28/21 00:27	104-51-8	
sec-Butylbenzene	<0.018	mg/kg	0.072	0.018	1	10/26/21 08:45	10/28/21 00:27	135-98-8	
tert-Butylbenzene	<0.023	mg/kg	0.072	0.023	1	10/26/21 08:45	10/28/21 00:27	98-06-6	
Carbon tetrachloride	<0.016	mg/kg	0.072	0.016	1	10/26/21 08:45	10/28/21 00:27	56-23-5	
Chlorobenzene	<0.0086	mg/kg	0.072	0.0086	1	10/26/21 08:45	10/28/21 00:27	108-90-7	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-5 (10-12) **Lab ID: 40235717010** Collected: 10/21/21 11:41 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.030	mg/kg	0.36	0.030	1	10/26/21 08:45	10/28/21 00:27	75-00-3	
Chloroform	<0.051	mg/kg	0.36	0.051	1	10/26/21 08:45	10/28/21 00:27	67-66-3	
Chloromethane	<0.027	mg/kg	0.072	0.027	1	10/26/21 08:45	10/28/21 00:27	74-87-3	
2-Chlorotoluene	<0.023	mg/kg	0.072	0.023	1	10/26/21 08:45	10/28/21 00:27	95-49-8	
4-Chlorotoluene	<0.027	mg/kg	0.072	0.027	1	10/26/21 08:45	10/28/21 00:27	106-43-4	
1,2-Dibromo-3-chloropropane	<0.056	mg/kg	0.36	0.056	1	10/26/21 08:45	10/28/21 00:27	96-12-8	
Dibromochloromethane	<0.25	mg/kg	0.36	0.25	1	10/26/21 08:45	10/28/21 00:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.020	mg/kg	0.072	0.020	1	10/26/21 08:45	10/28/21 00:27	106-93-4	
Dibromomethane	<0.021	mg/kg	0.072	0.021	1	10/26/21 08:45	10/28/21 00:27	74-95-3	
1,2-Dichlorobenzene	<0.022	mg/kg	0.072	0.022	1	10/26/21 08:45	10/28/21 00:27	95-50-1	
1,3-Dichlorobenzene	<0.020	mg/kg	0.072	0.020	1	10/26/21 08:45	10/28/21 00:27	541-73-1	
1,4-Dichlorobenzene	<0.020	mg/kg	0.072	0.020	1	10/26/21 08:45	10/28/21 00:27	106-46-7	
Dichlorodifluoromethane	<0.031	mg/kg	0.072	0.031	1	10/26/21 08:45	10/28/21 00:27	75-71-8	
1,1-Dichloroethane	<0.018	mg/kg	0.072	0.018	1	10/26/21 08:45	10/28/21 00:27	75-34-3	
1,2-Dichloroethane	<0.017	mg/kg	0.072	0.017	1	10/26/21 08:45	10/28/21 00:27	107-06-2	
1,1-Dichloroethene	<0.024	mg/kg	0.072	0.024	1	10/26/21 08:45	10/28/21 00:27	75-35-4	
cis-1,2-Dichloroethene	<0.015	mg/kg	0.072	0.015	1	10/26/21 08:45	10/28/21 00:27	156-59-2	
trans-1,2-Dichloroethene	<0.016	mg/kg	0.072	0.016	1	10/26/21 08:45	10/28/21 00:27	156-60-5	
1,2-Dichloropropane	<0.017	mg/kg	0.072	0.017	1	10/26/21 08:45	10/28/21 00:27	78-87-5	
1,3-Dichloropropane	<0.016	mg/kg	0.072	0.016	1	10/26/21 08:45	10/28/21 00:27	142-28-9	
2,2-Dichloropropane	<0.019	mg/kg	0.072	0.019	1	10/26/21 08:45	10/28/21 00:27	594-20-7	
1,1-Dichloropropene	<0.023	mg/kg	0.072	0.023	1	10/26/21 08:45	10/28/21 00:27	563-58-6	
cis-1,3-Dichloropropene	<0.047	mg/kg	0.36	0.047	1	10/26/21 08:45	10/28/21 00:27	10061-01-5	
trans-1,3-Dichloropropene	<0.21	mg/kg	0.36	0.21	1	10/26/21 08:45	10/28/21 00:27	10061-02-6	
Diisopropyl ether	<0.018	mg/kg	0.072	0.018	1	10/26/21 08:45	10/28/21 00:27	108-20-3	
Ethylbenzene	<0.017	mg/kg	0.072	0.017	1	10/26/21 08:45	10/28/21 00:27	100-41-4	
Hexachloro-1,3-butadiene	<0.14	mg/kg	0.36	0.14	1	10/26/21 08:45	10/28/21 00:27	87-68-3	
Isopropylbenzene (Cumene)	<0.019	mg/kg	0.072	0.019	1	10/26/21 08:45	10/28/21 00:27	98-82-8	
p-Isopropyltoluene	<0.022	mg/kg	0.072	0.022	1	10/26/21 08:45	10/28/21 00:27	99-87-6	
Methylene Chloride	<0.020	mg/kg	0.072	0.020	1	10/26/21 08:45	10/28/21 00:27	75-09-2	
Methyl-tert-butyl ether	<0.021	mg/kg	0.072	0.021	1	10/26/21 08:45	10/28/21 00:27	1634-04-4	
Naphthalene	<0.022	mg/kg	0.36	0.022	1	10/26/21 08:45	10/28/21 00:27	91-20-3	
n-Propylbenzene	<0.017	mg/kg	0.072	0.017	1	10/26/21 08:45	10/28/21 00:27	103-65-1	
Styrene	<0.018	mg/kg	0.072	0.018	1	10/26/21 08:45	10/28/21 00:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.017	mg/kg	0.072	0.017	1	10/26/21 08:45	10/28/21 00:27	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.026	mg/kg	0.072	0.026	1	10/26/21 08:45	10/28/21 00:27	79-34-5	
Tetrachloroethene	<0.028	mg/kg	0.072	0.028	1	10/26/21 08:45	10/28/21 00:27	127-18-4	
Toluene	<0.018	mg/kg	0.072	0.018	1	10/26/21 08:45	10/28/21 00:27	108-88-3	
1,2,3-Trichlorobenzene	<0.080	mg/kg	0.36	0.080	1	10/26/21 08:45	10/28/21 00:27	87-61-6	
1,2,4-Trichlorobenzene	<0.059	mg/kg	0.36	0.059	1	10/26/21 08:45	10/28/21 00:27	120-82-1	
1,1,1-Trichloroethane	<0.018	mg/kg	0.072	0.018	1	10/26/21 08:45	10/28/21 00:27	71-55-6	
1,1,2-Trichloroethane	<0.026	mg/kg	0.072	0.026	1	10/26/21 08:45	10/28/21 00:27	79-00-5	
Trichloroethene	0.080	mg/kg	0.072	0.027	1	10/26/21 08:45	10/28/21 00:27	79-01-6	
Trichlorofluoromethane	<0.021	mg/kg	0.072	0.021	1	10/26/21 08:45	10/28/21 00:27	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-5 (10-12) **Lab ID: 40235717010** Collected: 10/21/21 11:41 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.035	mg/kg	0.072	0.035	1	10/26/21 08:45	10/28/21 00:27	96-18-4	
1,2,4-Trimethylbenzene	<0.021	mg/kg	0.072	0.021	1	10/26/21 08:45	10/28/21 00:27	95-63-6	
1,3,5-Trimethylbenzene	<0.023	mg/kg	0.072	0.023	1	10/26/21 08:45	10/28/21 00:27	108-67-8	
Vinyl chloride	<0.015	mg/kg	0.072	0.015	1	10/26/21 08:45	10/28/21 00:27	75-01-4	
m&p-Xylene	<0.030	mg/kg	0.14	0.030	1	10/26/21 08:45	10/28/21 00:27	179601-23-1	
o-Xylene	<0.022	mg/kg	0.072	0.022	1	10/26/21 08:45	10/28/21 00:27	95-47-6	
Surrogates									
Toluene-d8 (S)	134	%	67-159		1	10/26/21 08:45	10/28/21 00:27	2037-26-5	
4-Bromofluorobenzene (S)	139	%	66-153		1	10/26/21 08:45	10/28/21 00:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	131	%	82-158		1	10/26/21 08:45	10/28/21 00:27	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.0	%	0.10	0.10	1		10/26/21 09:05		

Sample: SB-6 (0-5) **Lab ID: 40235717011** Collected: 10/21/21 11:51 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.3J	mg/kg	2.6	1.5	1	10/26/21 07:24	10/26/21 19:01	7440-38-2	
Barium	28.2	mg/kg	0.52	0.16	1	10/26/21 07:24	10/26/21 19:01	7440-39-3	
Cadmium	0.24J	mg/kg	0.52	0.14	1	10/26/21 07:24	10/26/21 19:01	7440-43-9	
Chromium	9.6	mg/kg	1.0	0.29	1	10/26/21 07:24	10/26/21 19:01	7440-47-3	
Lead	6.3	mg/kg	2.1	0.63	1	10/26/21 07:24	10/26/21 19:01	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 07:24	10/26/21 19:01	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/26/21 07:24	10/26/21 19:01	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.037	0.010	1	11/02/21 09:25	11/03/21 10:25	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	10/29/21 17:36	83-32-9	
Acenaphthylene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	10/29/21 17:36	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	10/29/21 17:36	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.097	0.029	1	10/28/21 12:41	10/29/21 17:36	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	10/29/21 17:36	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	10/28/21 12:41	10/29/21 17:36	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-6 (0-5) **Lab ID: 40235717011** Collected: 10/21/21 11:51 Received: 10/23/21 08:55 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
8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Benzo(g,h,i)perylene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	10/29/21 17:36	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	10/28/21 12:41	10/29/21 17:36	207-08-9	
Chrysene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	10/29/21 17:36	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	10/28/21 12:41	10/29/21 17:36	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	10/29/21 17:36	123-91-1	
Fluoranthene	0.033J	mg/kg	0.088	0.027	1	10/28/21 12:41	10/29/21 17:36	206-44-0	
Fluorene	<0.022	mg/kg	0.073	0.022	1	10/28/21 12:41	10/29/21 17:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	10/29/21 17:36	193-39-5	
1-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	10/28/21 12:41	10/29/21 17:36	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	10/29/21 17:36	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	10/28/21 12:41	10/29/21 17:36	91-20-3	
Phenanthrene	0.032J	mg/kg	0.080	0.024	1	10/28/21 12:41	10/29/21 17:36	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	10/29/21 17:36	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	40-96		1	10/28/21 12:41	10/29/21 17:36	4165-60-0	
2-Fluorobiphenyl (S)	74	%	14-110		1	10/28/21 12:41	10/29/21 17:36	321-60-8	
Terphenyl-d14 (S)	85	%	10-121		1	10/28/21 12:41	10/29/21 17:36	1718-51-0	
Phenol-d6 (S)	77	%	14-104		1	10/28/21 12:41	10/29/21 17:36	13127-88-3	
2-Fluorophenol (S)	76	%	10-112		1	10/28/21 12:41	10/29/21 17:36	367-12-4	
2,4,6-Tribromophenol (S)	81	%	10-128		1	10/28/21 12:41	10/29/21 17:36	118-79-6	

8260 MSV Med Level Full List

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/28/21 00:46	71-43-2	
Bromobenzene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 00:46	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	10/26/21 08:45	10/28/21 00:46	75-25-2	
Bromomethane	<0.087	mg/kg	0.31	0.087	1	10/26/21 08:45	10/28/21 00:46	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.062	0.029	1	10/26/21 08:45	10/28/21 00:46	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 00:46	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 00:46	56-23-5	
Chlorobenzene	<0.0075	mg/kg	0.062	0.0075	1	10/26/21 08:45	10/28/21 00:46	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/26/21 08:45	10/28/21 00:46	75-00-3	
Chloroform	<0.045	mg/kg	0.31	0.045	1	10/26/21 08:45	10/28/21 00:46	67-66-3	
Chloromethane	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 00:46	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 00:46	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 00:46	106-43-4	
1,2-Dibromo-3-chloropropane	<0.048	mg/kg	0.31	0.048	1	10/26/21 08:45	10/28/21 00:46	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/26/21 08:45	10/28/21 00:46	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	106-93-4	
Dibromomethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 00:46	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 00:46	95-50-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-6 (0-5) **Lab ID: 40235717011** Collected: 10/21/21 11:51 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.062	0.027	1	10/26/21 08:45	10/28/21 00:46	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 00:46	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 00:46	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.062	0.021	1	10/26/21 08:45	10/28/21 00:46	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 00:46	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 00:46	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 00:46	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 00:46	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/26/21 08:45	10/28/21 00:46	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/26/21 08:45	10/28/21 00:46	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/26/21 08:45	10/28/21 00:46	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 00:46	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 00:46	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 00:46	1634-04-4	
Naphthalene	<0.019	mg/kg	0.31	0.019	1	10/26/21 08:45	10/28/21 00:46	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	103-65-1	
Styrene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 00:46	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 00:46	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 00:46	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 00:46	127-18-4	
Toluene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 00:46	108-88-3	
1,2,3-Trichlorobenzene	<0.069	mg/kg	0.31	0.069	1	10/26/21 08:45	10/28/21 00:46	87-61-6	
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.31	0.051	1	10/26/21 08:45	10/28/21 00:46	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 00:46	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 00:46	79-00-5	
Trichloroethene	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 00:46	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 00:46	75-69-4	
1,2,3-Trichloropropane	<0.030	mg/kg	0.062	0.030	1	10/26/21 08:45	10/28/21 00:46	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 00:46	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 00:46	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 00:46	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.12	0.026	1	10/26/21 08:45	10/28/21 00:46	179601-23-1	
o-Xylene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 00:46	95-47-6	
Surrogates									
Toluene-d8 (S)	114	%	67-159		1	10/26/21 08:45	10/28/21 00:46	2037-26-5	
4-Bromofluorobenzene (S)	120	%	66-153		1	10/26/21 08:45	10/28/21 00:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	10/26/21 08:45	10/28/21 00:46	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-6 (0-5) **Lab ID: 40235717011** Collected: 10/21/21 11:51 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.9	%	0.10	0.10	1		10/26/21 09:05		

Sample: SB-6 (7-10) **Lab ID: 40235717012** Collected: 10/21/21 11:56 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.2J	mg/kg	2.7	1.6	1	10/26/21 07:24	10/26/21 19:03	7440-38-2	
Barium	35.1	mg/kg	0.54	0.16	1	10/26/21 07:24	10/26/21 19:03	7440-39-3	
Cadmium	0.24J	mg/kg	0.54	0.14	1	10/26/21 07:24	10/26/21 19:03	7440-43-9	
Chromium	10	mg/kg	1.1	0.30	1	10/26/21 07:24	10/26/21 19:03	7440-47-3	
Lead	5.7	mg/kg	2.2	0.65	1	10/26/21 07:24	10/26/21 19:03	7439-92-1	
Selenium	<1.4	mg/kg	4.3	1.4	1	10/26/21 07:24	10/26/21 19:03	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/26/21 07:24	10/26/21 19:03	7440-22-4	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471
Pace Analytical Services - Green Bay

Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 09:25	11/03/21 10:28	7439-97-6	
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Acenaphthene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	11/01/21 14:07	83-32-9	
Acenaphthylene	<0.069	mg/kg	0.23	0.069	1	10/28/21 12:41	11/01/21 14:07	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	10/28/21 12:41	11/01/21 14:07	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	10/28/21 12:41	11/01/21 14:07	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.096	0.029	1	10/28/21 12:41	11/01/21 14:07	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	11/01/21 14:07	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 14:07	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	10/28/21 12:41	11/01/21 14:07	207-08-9	
Chrysene	<0.029	mg/kg	0.096	0.029	1	10/28/21 12:41	11/01/21 14:07	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	11/01/21 14:07	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.35	0.10	1	10/28/21 12:41	11/01/21 14:07	123-91-1	
Fluoranthene	<0.027	mg/kg	0.091	0.027	1	10/28/21 12:41	11/01/21 14:07	206-44-0	
Fluorene	<0.022	mg/kg	0.075	0.022	1	10/28/21 12:41	11/01/21 14:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 14:07	193-39-5	
1-Methylnaphthalene	<0.055	mg/kg	0.18	0.055	1	10/28/21 12:41	11/01/21 14:07	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 14:07	91-57-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 14:07	91-20-3	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	10/28/21 12:41	11/01/21 14:07	85-01-8	
Pyrene	<0.043	mg/kg	0.14	0.043	1	10/28/21 12:41	11/01/21 14:07	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-6 (7-10) **Lab ID: 40235717012** Collected: 10/21/21 11:56 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	86	%	40-96		1	10/28/21 12:41	11/01/21 14:07	4165-60-0	
2-Fluorobiphenyl (S)	76	%	14-110		1	10/28/21 12:41	11/01/21 14:07	321-60-8	
Terphenyl-d14 (S)	76	%	10-121		1	10/28/21 12:41	11/01/21 14:07	1718-51-0	
Phenol-d6 (S)	76	%	14-104		1	10/28/21 12:41	11/01/21 14:07	13127-88-3	
2-Fluorophenol (S)	76	%	10-112		1	10/28/21 12:41	11/01/21 14:07	367-12-4	
2,4,6-Tribromophenol (S)	83	%	10-128		1	10/28/21 12:41	11/01/21 14:07	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.016	mg/kg	0.026	0.016	1	10/26/21 08:45	10/28/21 01:06	71-43-2	
Bromobenzene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/28/21 01:06	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	75-27-4	
Bromoform	<0.29	mg/kg	0.33	0.29	1	10/26/21 08:45	10/28/21 01:06	75-25-2	
Bromomethane	<0.091	mg/kg	0.33	0.091	1	10/26/21 08:45	10/28/21 01:06	74-83-9	
n-Butylbenzene	<0.030	mg/kg	0.065	0.030	1	10/26/21 08:45	10/28/21 01:06	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/28/21 01:06	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/28/21 01:06	56-23-5	
Chlorobenzene	<0.0078	mg/kg	0.065	0.0078	1	10/26/21 08:45	10/28/21 01:06	108-90-7	
Chloroethane	<0.028	mg/kg	0.33	0.028	1	10/26/21 08:45	10/28/21 01:06	75-00-3	
Chloroform	<0.047	mg/kg	0.33	0.047	1	10/26/21 08:45	10/28/21 01:06	67-66-3	
Chloromethane	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/28/21 01:06	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/28/21 01:06	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/28/21 01:06	106-43-4	
1,2-Dibromo-3-chloropropane	<0.051	mg/kg	0.33	0.051	1	10/26/21 08:45	10/28/21 01:06	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.33	0.22	1	10/26/21 08:45	10/28/21 01:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	106-93-4	
Dibromomethane	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/28/21 01:06	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/28/21 01:06	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	106-46-7	
Dichlorodifluoromethane	<0.028	mg/kg	0.065	0.028	1	10/26/21 08:45	10/28/21 01:06	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/28/21 01:06	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.065	0.015	1	10/26/21 08:45	10/28/21 01:06	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.065	0.022	1	10/26/21 08:45	10/28/21 01:06	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/28/21 01:06	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/28/21 01:06	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.065	0.014	1	10/26/21 08:45	10/28/21 01:06	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/28/21 01:06	563-58-6	
cis-1,3-Dichloropropene	<0.043	mg/kg	0.33	0.043	1	10/26/21 08:45	10/28/21 01:06	10061-01-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-6 (7-10) **Lab ID: 40235717012** Collected: 10/21/21 11:56 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.19	mg/kg	0.33	0.19	1	10/26/21 08:45	10/28/21 01:06	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	108-20-3	
Ethylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.33	0.13	1	10/26/21 08:45	10/28/21 01:06	87-68-3	
Isopropylbenzene (Cumene)	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/28/21 01:06	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.065	0.018	1	10/26/21 08:45	10/28/21 01:06	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/28/21 01:06	1634-04-4	
Naphthalene	<0.020	mg/kg	0.33	0.020	1	10/26/21 08:45	10/28/21 01:06	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	103-65-1	
Styrene	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/28/21 01:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	630-20-6	
1,1,2,2-Tetrachloroethane	<0.024	mg/kg	0.065	0.024	1	10/26/21 08:45	10/28/21 01:06	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.065	0.025	1	10/26/21 08:45	10/28/21 01:06	127-18-4	
Toluene	<0.016	mg/kg	0.065	0.016	1	10/26/21 08:45	10/28/21 01:06	108-88-3	
1,2,3-Trichlorobenzene	<0.073	mg/kg	0.33	0.073	1	10/26/21 08:45	10/28/21 01:06	87-61-6	
1,2,4-Trichlorobenzene	<0.054	mg/kg	0.33	0.054	1	10/26/21 08:45	10/28/21 01:06	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.065	0.017	1	10/26/21 08:45	10/28/21 01:06	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.065	0.024	1	10/26/21 08:45	10/28/21 01:06	79-00-5	
Trichloroethene	<0.024	mg/kg	0.065	0.024	1	10/26/21 08:45	10/28/21 01:06	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/28/21 01:06	75-69-4	
1,2,3-Trichloropropane	<0.032	mg/kg	0.065	0.032	1	10/26/21 08:45	10/28/21 01:06	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.065	0.019	1	10/26/21 08:45	10/28/21 01:06	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.065	0.021	1	10/26/21 08:45	10/28/21 01:06	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.065	0.013	1	10/26/21 08:45	10/28/21 01:06	75-01-4	
m&p-Xylene	<0.028	mg/kg	0.13	0.028	1	10/26/21 08:45	10/28/21 01:06	179601-23-1	
o-Xylene	<0.020	mg/kg	0.065	0.020	1	10/26/21 08:45	10/28/21 01:06	95-47-6	
Surrogates									
Toluene-d8 (S)	120	%	67-159		1	10/26/21 08:45	10/28/21 01:06	2037-26-5	
4-Bromofluorobenzene (S)	130	%	66-153		1	10/26/21 08:45	10/28/21 01:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	82-158		1	10/26/21 08:45	10/28/21 01:06	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	13.2	%	0.10	0.10	1		10/26/21 09:05		

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-7 (4-6) **Lab ID: 40235717013** Collected: 10/21/21 12:15 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.0J	mg/kg	2.8	1.6	1	10/26/21 07:24	10/26/21 19:06	7440-38-2	
Barium	33.4	mg/kg	0.55	0.17	1	10/26/21 07:24	10/26/21 19:06	7440-39-3	
Cadmium	0.18J	mg/kg	0.55	0.15	1	10/26/21 07:24	10/26/21 19:06	7440-43-9	
Chromium	9.8	mg/kg	1.1	0.31	1	10/26/21 07:24	10/26/21 19:06	7440-47-3	
Lead	4.8	mg/kg	2.2	0.66	1	10/26/21 07:24	10/26/21 19:06	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 07:24	10/26/21 19:06	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 07:24	10/26/21 19:06	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.039	0.011	1	11/02/21 09:25	11/03/21 10:30	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	10/29/21 22:50	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	10/29/21 22:50	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	10/29/21 22:50	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.098	0.029	1	10/28/21 12:41	10/29/21 22:50	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.095	0.029	1	10/28/21 12:41	10/29/21 22:50	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	10/29/21 22:50	205-99-2	
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	10/29/21 22:50	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	10/28/21 12:41	10/29/21 22:50	207-08-9	
Chrysene	<0.028	mg/kg	0.095	0.028	1	10/28/21 12:41	10/29/21 22:50	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	10/28/21 12:41	10/29/21 22:50	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	10/29/21 22:50	123-91-1	
Fluoranthene	<0.027	mg/kg	0.089	0.027	1	10/28/21 12:41	10/29/21 22:50	206-44-0	
Fluorene	<0.022	mg/kg	0.074	0.022	1	10/28/21 12:41	10/29/21 22:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	10/29/21 22:50	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	10/29/21 22:50	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	10/29/21 22:50	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	10/28/21 12:41	10/29/21 22:50	91-20-3	
Phenanthrene	<0.024	mg/kg	0.081	0.024	1	10/28/21 12:41	10/29/21 22:50	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	10/29/21 22:50	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	85	%	40-96		1	10/28/21 12:41	10/29/21 22:50	4165-60-0	
2-Fluorobiphenyl (S)	74	%	14-110		1	10/28/21 12:41	10/29/21 22:50	321-60-8	
Terphenyl-d14 (S)	84	%	10-121		1	10/28/21 12:41	10/29/21 22:50	1718-51-0	
Phenol-d6 (S)	83	%	14-104		1	10/28/21 12:41	10/29/21 22:50	13127-88-3	
2-Fluorophenol (S)	84	%	10-112		1	10/28/21 12:41	10/29/21 22:50	367-12-4	
2,4,6-Tribromophenol (S)	82	%	10-128		1	10/28/21 12:41	10/29/21 22:50	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/28/21 01:25	71-43-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-7 (4-6) **Lab ID: 40235717013** Collected: 10/21/21 12:15 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.025	mg/kg	0.064	0.025	1	10/26/21 08:45	10/28/21 01:25	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/28/21 01:25	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/28/21 01:25	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/26/21 08:45	10/28/21 01:25	75-25-2	
Bromomethane	<0.089	mg/kg	0.32	0.089	1	10/26/21 08:45	10/28/21 01:25	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.064	0.029	1	10/26/21 08:45	10/28/21 01:25	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/28/21 01:25	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/28/21 01:25	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/28/21 01:25	56-23-5	
Chlorobenzene	<0.0076	mg/kg	0.064	0.0076	1	10/26/21 08:45	10/28/21 01:25	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/26/21 08:45	10/28/21 01:25	75-00-3	
Chloroform	<0.046	mg/kg	0.32	0.046	1	10/26/21 08:45	10/28/21 01:25	67-66-3	
Chloromethane	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/28/21 01:25	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/28/21 01:25	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/28/21 01:25	106-43-4	
1,2-Dibromo-3-chloropropane	<0.049	mg/kg	0.32	0.049	1	10/26/21 08:45	10/28/21 01:25	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/26/21 08:45	10/28/21 01:25	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/28/21 01:25	106-93-4	
Dibromomethane	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/28/21 01:25	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/28/21 01:25	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/28/21 01:25	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/28/21 01:25	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.064	0.027	1	10/26/21 08:45	10/28/21 01:25	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/28/21 01:25	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/28/21 01:25	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/28/21 01:25	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/28/21 01:25	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/28/21 01:25	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/28/21 01:25	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.064	0.014	1	10/26/21 08:45	10/28/21 01:25	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/28/21 01:25	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.064	0.021	1	10/26/21 08:45	10/28/21 01:25	563-58-6	
cis-1,3-Dichloropropene	<0.042	mg/kg	0.32	0.042	1	10/26/21 08:45	10/28/21 01:25	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/26/21 08:45	10/28/21 01:25	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/28/21 01:25	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/28/21 01:25	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/26/21 08:45	10/28/21 01:25	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.064	0.017	1	10/26/21 08:45	10/28/21 01:25	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/28/21 01:25	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/28/21 01:25	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/28/21 01:25	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/26/21 08:45	10/28/21 01:25	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/28/21 01:25	103-65-1	
Styrene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/28/21 01:25	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-7 (4-6) **Lab ID: 40235717013** Collected: 10/21/21 12:15 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.064	0.015	1	10/26/21 08:45	10/28/21 01:25	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.064	0.023	1	10/26/21 08:45	10/28/21 01:25	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.064	0.025	1	10/26/21 08:45	10/28/21 01:25	127-18-4	
Toluene	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/28/21 01:25	108-88-3	
1,2,3-Trichlorobenzene	<0.071	mg/kg	0.32	0.071	1	10/26/21 08:45	10/28/21 01:25	87-61-6	
1,2,4-Trichlorobenzene	<0.052	mg/kg	0.32	0.052	1	10/26/21 08:45	10/28/21 01:25	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.064	0.016	1	10/26/21 08:45	10/28/21 01:25	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.064	0.023	1	10/26/21 08:45	10/28/21 01:25	79-00-5	
Trichloroethene	<0.024	mg/kg	0.064	0.024	1	10/26/21 08:45	10/28/21 01:25	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.064	0.018	1	10/26/21 08:45	10/28/21 01:25	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.064	0.031	1	10/26/21 08:45	10/28/21 01:25	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/28/21 01:25	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.064	0.020	1	10/26/21 08:45	10/28/21 01:25	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.064	0.013	1	10/26/21 08:45	10/28/21 01:25	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/26/21 08:45	10/28/21 01:25	179601-23-1	
o-Xylene	<0.019	mg/kg	0.064	0.019	1	10/26/21 08:45	10/28/21 01:25	95-47-6	
Surrogates									
Toluene-d8 (S)	120	%	67-159		1	10/26/21 08:45	10/28/21 01:25	2037-26-5	
4-Bromofluorobenzene (S)	133	%	66-153		1	10/26/21 08:45	10/28/21 01:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	82-158		1	10/26/21 08:45	10/28/21 01:25	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture **11.9** % 0.10 0.10 1 10/26/21 09:05

Sample: SB-7 (6-8) **Lab ID: 40235717014** Collected: 10/21/21 12:16 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.3J	mg/kg	2.7	1.6	1	10/26/21 07:24	10/26/21 19:08	7440-38-2	
Barium	29.3	mg/kg	0.55	0.16	1	10/26/21 07:24	10/26/21 19:08	7440-39-3	
Cadmium	0.19J	mg/kg	0.55	0.15	1	10/26/21 07:24	10/26/21 19:08	7440-43-9	
Chromium	8.8	mg/kg	1.1	0.30	1	10/26/21 07:24	10/26/21 19:08	7440-47-3	
Lead	4.5	mg/kg	2.2	0.65	1	10/26/21 07:24	10/26/21 19:08	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 07:24	10/26/21 19:08	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 07:24	10/26/21 19:08	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-7 (6-8) **Lab ID: 40235717014** Collected: 10/21/21 12:16 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 09:25	11/03/21 10:32	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 11:40	83-32-9	
Acenaphthylene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 11:40	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	11/01/21 11:40	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.097	0.029	1	10/28/21 12:41	11/01/21 11:40	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	11/01/21 11:40	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	10/28/21 12:41	11/01/21 11:40	205-99-2	
Benzo(g,h,i)perylene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 11:40	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	10/28/21 12:41	11/01/21 11:40	207-08-9	
Chrysene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	11/01/21 11:40	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	10/28/21 12:41	11/01/21 11:40	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	11/01/21 11:40	123-91-1	
Fluoranthene	<0.027	mg/kg	0.089	0.027	1	10/28/21 12:41	11/01/21 11:40	206-44-0	
Fluorene	<0.022	mg/kg	0.073	0.022	1	10/28/21 12:41	11/01/21 11:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	11/01/21 11:40	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	11/01/21 11:40	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 11:40	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	10/28/21 12:41	11/01/21 11:40	91-20-3	
Phenanthrene	<0.024	mg/kg	0.080	0.024	1	10/28/21 12:41	11/01/21 11:40	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 11:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	78	%	40-96		1	10/28/21 12:41	11/01/21 11:40	4165-60-0	
2-Fluorobiphenyl (S)	80	%	14-110		1	10/28/21 12:41	11/01/21 11:40	321-60-8	
Terphenyl-d14 (S)	89	%	10-121		1	10/28/21 12:41	11/01/21 11:40	1718-51-0	
Phenol-d6 (S)	75	%	14-104		1	10/28/21 12:41	11/01/21 11:40	13127-88-3	
2-Fluorophenol (S)	76	%	10-112		1	10/28/21 12:41	11/01/21 11:40	367-12-4	
2,4,6-Tribromophenol (S)	88	%	10-128		1	10/28/21 12:41	11/01/21 11:40	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/28/21 01:45	71-43-2	
Bromobenzene	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 01:45	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 01:45	75-27-4	
Bromoform	<0.28	mg/kg	0.31	0.28	1	10/26/21 08:45	10/28/21 01:45	75-25-2	
Bromomethane	<0.088	mg/kg	0.31	0.088	1	10/26/21 08:45	10/28/21 01:45	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.063	0.029	1	10/26/21 08:45	10/28/21 01:45	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 01:45	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 01:45	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 01:45	56-23-5	
Chlorobenzene	<0.0075	mg/kg	0.063	0.0075	1	10/26/21 08:45	10/28/21 01:45	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-7 (6-8) **Lab ID: 40235717014** Collected: 10/21/21 12:16 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/26/21 08:45	10/28/21 01:45	75-00-3	
Chloroform	<0.045	mg/kg	0.31	0.045	1	10/26/21 08:45	10/28/21 01:45	67-66-3	
Chloromethane	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 01:45	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 01:45	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 01:45	106-43-4	
1,2-Dibromo-3-chloropropane	<0.049	mg/kg	0.31	0.049	1	10/26/21 08:45	10/28/21 01:45	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/26/21 08:45	10/28/21 01:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	106-93-4	
Dibromomethane	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 01:45	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 01:45	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.063	0.027	1	10/26/21 08:45	10/28/21 01:45	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 01:45	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 01:45	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.063	0.021	1	10/26/21 08:45	10/28/21 01:45	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.063	0.013	1	10/26/21 08:45	10/28/21 01:45	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 01:45	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 01:45	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 01:45	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 01:45	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/26/21 08:45	10/28/21 01:45	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/26/21 08:45	10/28/21 01:45	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 01:45	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 01:45	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/26/21 08:45	10/28/21 01:45	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 01:45	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 01:45	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.063	0.018	1	10/26/21 08:45	10/28/21 01:45	1634-04-4	
Naphthalene	<0.020	mg/kg	0.31	0.020	1	10/26/21 08:45	10/28/21 01:45	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 01:45	103-65-1	
Styrene	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 01:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 01:45	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.063	0.023	1	10/26/21 08:45	10/28/21 01:45	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 01:45	127-18-4	
Toluene	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 01:45	108-88-3	
1,2,3-Trichlorobenzene	<0.070	mg/kg	0.31	0.070	1	10/26/21 08:45	10/28/21 01:45	87-61-6	
1,2,4-Trichlorobenzene	<0.052	mg/kg	0.31	0.052	1	10/26/21 08:45	10/28/21 01:45	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 01:45	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.063	0.023	1	10/26/21 08:45	10/28/21 01:45	79-00-5	
Trichloroethene	<0.023	mg/kg	0.063	0.023	1	10/26/21 08:45	10/28/21 01:45	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.063	0.018	1	10/26/21 08:45	10/28/21 01:45	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-7 (6-8) **Lab ID: 40235717014** Collected: 10/21/21 12:16 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.031	mg/kg	0.063	0.031	1	10/26/21 08:45	10/28/21 01:45	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 01:45	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 01:45	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.063	0.013	1	10/26/21 08:45	10/28/21 01:45	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.13	0.026	1	10/26/21 08:45	10/28/21 01:45	179601-23-1	
o-Xylene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 01:45	95-47-6	
Surrogates									
Toluene-d8 (S)	120	%	67-159		1	10/26/21 08:45	10/28/21 01:45	2037-26-5	
4-Bromofluorobenzene (S)	121	%	66-153		1	10/26/21 08:45	10/28/21 01:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	116	%	82-158		1	10/26/21 08:45	10/28/21 01:45	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.3	%	0.10	0.10	1		10/26/21 09:05		

Sample: SB-8 (0-5) **Lab ID: 40235717015** Collected: 10/21/21 12:45 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/26/21 07:24	10/26/21 19:11	7440-38-2	
Barium	45.5	mg/kg	0.52	0.16	1	10/26/21 07:24	10/26/21 19:11	7440-39-3	
Cadmium	0.23J	mg/kg	0.52	0.14	1	10/26/21 07:24	10/26/21 19:11	7440-43-9	
Chromium	13.5	mg/kg	1.0	0.29	1	10/26/21 07:24	10/26/21 19:11	7440-47-3	
Lead	4.7	mg/kg	2.1	0.62	1	10/26/21 07:24	10/26/21 19:11	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 07:24	10/26/21 19:11	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/26/21 07:24	10/26/21 19:11	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.039	0.011	1	11/02/21 09:25	11/03/21 10:35	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 12:01	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	10/28/21 12:41	11/01/21 12:01	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	11/01/21 12:01	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.098	0.029	1	10/28/21 12:41	11/01/21 12:01	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.095	0.028	1	10/28/21 12:41	11/01/21 12:01	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	10/28/21 12:41	11/01/21 12:01	205-99-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-8 (0-5) **Lab ID: 40235717015** Collected: 10/21/21 12:45 Received: 10/23/21 08:55 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
8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	10/28/21 12:41	11/01/21 12:01	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	10/28/21 12:41	11/01/21 12:01	207-08-9	
Chrysene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	11/01/21 12:01	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	10/28/21 12:41	11/01/21 12:01	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	11/01/21 12:01	123-91-1	
Fluoranthene	<0.027	mg/kg	0.089	0.027	1	10/28/21 12:41	11/01/21 12:01	206-44-0	
Fluorene	<0.022	mg/kg	0.074	0.022	1	10/28/21 12:41	11/01/21 12:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	11/01/21 12:01	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	10/28/21 12:41	11/01/21 12:01	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 12:01	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	10/28/21 12:41	11/01/21 12:01	91-20-3	
Phenanthrene	<0.024	mg/kg	0.081	0.024	1	10/28/21 12:41	11/01/21 12:01	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 12:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	85	%	40-96		1	10/28/21 12:41	11/01/21 12:01	4165-60-0	
2-Fluorobiphenyl (S)	78	%	14-110		1	10/28/21 12:41	11/01/21 12:01	321-60-8	
Terphenyl-d14 (S)	86	%	10-121		1	10/28/21 12:41	11/01/21 12:01	1718-51-0	
Phenol-d6 (S)	76	%	14-104		1	10/28/21 12:41	11/01/21 12:01	13127-88-3	
2-Fluorophenol (S)	50	%	10-112		1	10/28/21 12:41	11/01/21 12:01	367-12-4	
2,4,6-Tribromophenol (S)	31	%	10-128		1	10/28/21 12:41	11/01/21 12:01	118-79-6	
8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/28/21 02:04	71-43-2	
Bromobenzene	<0.025	mg/kg	0.063	0.025	1	10/26/21 08:45	10/28/21 02:04	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 02:04	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/26/21 08:45	10/28/21 02:04	75-25-2	
Bromomethane	<0.089	mg/kg	0.32	0.089	1	10/26/21 08:45	10/28/21 02:04	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.063	0.029	1	10/26/21 08:45	10/28/21 02:04	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 02:04	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 02:04	56-23-5	
Chlorobenzene	<0.0076	mg/kg	0.063	0.0076	1	10/26/21 08:45	10/28/21 02:04	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/26/21 08:45	10/28/21 02:04	75-00-3	
Chloroform	<0.045	mg/kg	0.32	0.045	1	10/26/21 08:45	10/28/21 02:04	67-66-3	
Chloromethane	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 02:04	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.063	0.021	1	10/26/21 08:45	10/28/21 02:04	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 02:04	106-43-4	
1,2-Dibromo-3-chloropropane	<0.049	mg/kg	0.32	0.049	1	10/26/21 08:45	10/28/21 02:04	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/26/21 08:45	10/28/21 02:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 02:04	106-93-4	
Dibromomethane	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 02:04	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 02:04	95-50-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-8 (0-5) **Lab ID: 40235717015** Collected: 10/21/21 12:45 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 02:04	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 02:04	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.063	0.027	1	10/26/21 08:45	10/28/21 02:04	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 02:04	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.063	0.021	1	10/26/21 08:45	10/28/21 02:04	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 02:04	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 02:04	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.063	0.014	1	10/26/21 08:45	10/28/21 02:04	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 02:04	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.063	0.021	1	10/26/21 08:45	10/28/21 02:04	563-58-6	
cis-1,3-Dichloropropene	<0.042	mg/kg	0.32	0.042	1	10/26/21 08:45	10/28/21 02:04	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/26/21 08:45	10/28/21 02:04	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 02:04	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/26/21 08:45	10/28/21 02:04	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.063	0.017	1	10/26/21 08:45	10/28/21 02:04	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 02:04	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.063	0.018	1	10/26/21 08:45	10/28/21 02:04	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 02:04	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/26/21 08:45	10/28/21 02:04	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	103-65-1	
Styrene	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 02:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.063	0.015	1	10/26/21 08:45	10/28/21 02:04	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.063	0.023	1	10/26/21 08:45	10/28/21 02:04	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.063	0.025	1	10/26/21 08:45	10/28/21 02:04	127-18-4	
Toluene	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 02:04	108-88-3	
1,2,3-Trichlorobenzene	<0.071	mg/kg	0.32	0.071	1	10/26/21 08:45	10/28/21 02:04	87-61-6	
1,2,4-Trichlorobenzene	<0.052	mg/kg	0.32	0.052	1	10/26/21 08:45	10/28/21 02:04	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.063	0.016	1	10/26/21 08:45	10/28/21 02:04	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.063	0.023	1	10/26/21 08:45	10/28/21 02:04	79-00-5	
Trichloroethene	<0.024	mg/kg	0.063	0.024	1	10/26/21 08:45	10/28/21 02:04	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.063	0.018	1	10/26/21 08:45	10/28/21 02:04	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.063	0.031	1	10/26/21 08:45	10/28/21 02:04	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 02:04	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.063	0.020	1	10/26/21 08:45	10/28/21 02:04	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.063	0.013	1	10/26/21 08:45	10/28/21 02:04	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/26/21 08:45	10/28/21 02:04	179601-23-1	
o-Xylene	<0.019	mg/kg	0.063	0.019	1	10/26/21 08:45	10/28/21 02:04	95-47-6	
Surrogates									
Toluene-d8 (S)	124	%	67-159		1	10/26/21 08:45	10/28/21 02:04	2037-26-5	
4-Bromofluorobenzene (S)	133	%	66-153		1	10/26/21 08:45	10/28/21 02:04	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	82-158		1	10/26/21 08:45	10/28/21 02:04	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-8 (0-5) Lab ID: 40235717015 Collected: 10/21/21 12:45 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.8	%	0.10	0.10	1		10/26/21 09:05		

Sample: SB-8 (8-10) Lab ID: 40235717016 Collected: 10/21/21 12:51 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.0	mg/kg	2.7	1.6	1	10/26/21 07:24	10/26/21 19:13	7440-38-2	
Barium	49.3	mg/kg	0.55	0.16	1	10/26/21 07:24	10/26/21 19:13	7440-39-3	
Cadmium	0.24J	mg/kg	0.55	0.15	1	10/26/21 07:24	10/26/21 19:13	7440-43-9	
Chromium	14.1	mg/kg	1.1	0.31	1	10/26/21 07:24	10/26/21 19:13	7440-47-3	
Lead	5.8	mg/kg	2.2	0.66	1	10/26/21 07:24	10/26/21 19:13	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 07:24	10/26/21 19:13	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 07:24	10/26/21 19:13	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 09:25	11/03/21 10:37	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.066	mg/kg	0.22	0.066	1	10/28/21 12:41	11/01/21 12:22	83-32-9	
Acenaphthylene	<0.067	mg/kg	0.22	0.067	1	10/28/21 12:41	11/01/21 12:22	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	10/28/21 12:41	11/01/21 12:22	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.097	0.029	1	10/28/21 12:41	11/01/21 12:22	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.094	0.028	1	10/28/21 12:41	11/01/21 12:22	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	10/28/21 12:41	11/01/21 12:22	205-99-2	
Benzo(g,h,i)perylene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 12:22	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	10/28/21 12:41	11/01/21 12:22	207-08-9	
Chrysene	<0.028	mg/kg	0.093	0.028	1	10/28/21 12:41	11/01/21 12:22	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	10/28/21 12:41	11/01/21 12:22	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	10/28/21 12:41	11/01/21 12:22	123-91-1	
Fluoranthene	<0.027	mg/kg	0.088	0.027	1	10/28/21 12:41	11/01/21 12:22	206-44-0	
Fluorene	<0.022	mg/kg	0.073	0.022	1	10/28/21 12:41	11/01/21 12:22	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	10/28/21 12:41	11/01/21 12:22	193-39-5	
1-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	10/28/21 12:41	11/01/21 12:22	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	10/28/21 12:41	11/01/21 12:22	91-57-6	
Naphthalene	<0.065	mg/kg	0.22	0.065	1	10/28/21 12:41	11/01/21 12:22	91-20-3	
Phenanthrene	<0.024	mg/kg	0.080	0.024	1	10/28/21 12:41	11/01/21 12:22	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	10/28/21 12:41	11/01/21 12:22	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-8 (8-10) **Lab ID: 40235717016** Collected: 10/21/21 12:51 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	89	%	40-96		1	10/28/21 12:41	11/01/21 12:22	4165-60-0	
2-Fluorobiphenyl (S)	86	%	14-110		1	10/28/21 12:41	11/01/21 12:22	321-60-8	
Terphenyl-d14 (S)	96	%	10-121		1	10/28/21 12:41	11/01/21 12:22	1718-51-0	
Phenol-d6 (S)	88	%	14-104		1	10/28/21 12:41	11/01/21 12:22	13127-88-3	
2-Fluorophenol (S)	87	%	10-112		1	10/28/21 12:41	11/01/21 12:22	367-12-4	
2,4,6-Tribromophenol (S)	97	%	10-128		1	10/28/21 12:41	11/01/21 12:22	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/28/21 02:23	71-43-2	
Bromobenzene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 02:23	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	10/26/21 08:45	10/28/21 02:23	75-25-2	
Bromomethane	<0.087	mg/kg	0.31	0.087	1	10/26/21 08:45	10/28/21 02:23	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.062	0.029	1	10/26/21 08:45	10/28/21 02:23	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 02:23	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 02:23	56-23-5	
Chlorobenzene	<0.0075	mg/kg	0.062	0.0075	1	10/26/21 08:45	10/28/21 02:23	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/26/21 08:45	10/28/21 02:23	75-00-3	
Chloroform	<0.045	mg/kg	0.31	0.045	1	10/26/21 08:45	10/28/21 02:23	67-66-3	
Chloromethane	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 02:23	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 02:23	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 02:23	106-43-4	
1,2-Dibromo-3-chloropropane	<0.048	mg/kg	0.31	0.048	1	10/26/21 08:45	10/28/21 02:23	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/26/21 08:45	10/28/21 02:23	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	106-93-4	
Dibromomethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 02:23	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 02:23	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.062	0.027	1	10/26/21 08:45	10/28/21 02:23	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 02:23	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 02:23	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.062	0.021	1	10/26/21 08:45	10/28/21 02:23	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 02:23	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 02:23	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 02:23	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 02:23	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/26/21 08:45	10/28/21 02:23	10061-01-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-8 (8-10) **Lab ID: 40235717016** Collected: 10/21/21 12:51 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/26/21 08:45	10/28/21 02:23	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/26/21 08:45	10/28/21 02:23	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 02:23	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 02:23	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 02:23	1634-04-4	
Naphthalene	<0.019	mg/kg	0.31	0.019	1	10/26/21 08:45	10/28/21 02:23	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	103-65-1	
Styrene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 02:23	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 02:23	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 02:23	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 02:23	127-18-4	
Toluene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 02:23	108-88-3	
1,2,3-Trichlorobenzene	<0.069	mg/kg	0.31	0.069	1	10/26/21 08:45	10/28/21 02:23	87-61-6	
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.31	0.051	1	10/26/21 08:45	10/28/21 02:23	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 02:23	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 02:23	79-00-5	
Trichloroethene	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 02:23	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 02:23	75-69-4	
1,2,3-Trichloropropane	<0.030	mg/kg	0.062	0.030	1	10/26/21 08:45	10/28/21 02:23	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 02:23	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 02:23	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 02:23	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.12	0.026	1	10/26/21 08:45	10/28/21 02:23	179601-23-1	
o-Xylene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 02:23	95-47-6	
Surrogates									
Toluene-d8 (S)	124	%	67-159		1	10/26/21 08:45	10/28/21 02:23	2037-26-5	
4-Bromofluorobenzene (S)	128	%	66-153		1	10/26/21 08:45	10/28/21 02:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	82-158		1	10/26/21 08:45	10/28/21 02:23	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.9	%	0.10	0.10	1		10/26/21 09:05		

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-9 (2-4) **Lab ID: 40235717017** Collected: 10/21/21 13:32 Received: 10/23/21 08:55 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
WIDRO GCS									
Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Pace Analytical Services - Green Bay									
Diesel Range Organics	2.1J	mg/kg	4.4	1.3	1	10/29/21 09:01	11/01/21 06:59		
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.2	mg/kg	3.0	1.7	1	10/26/21 07:24	10/26/21 19:16	7440-38-2	
Barium	80.7	mg/kg	0.60	0.18	1	10/26/21 07:24	10/26/21 19:16	7440-39-3	
Cadmium	0.29J	mg/kg	0.60	0.16	1	10/26/21 07:24	10/26/21 19:16	7440-43-9	
Chromium	19.9	mg/kg	1.2	0.33	1	10/26/21 07:24	10/26/21 19:16	7440-47-3	
Lead	6.3	mg/kg	2.4	0.71	1	10/26/21 07:24	10/26/21 19:16	7439-92-1	
Selenium	<1.6	mg/kg	4.8	1.6	1	10/26/21 07:24	10/26/21 19:16	7782-49-2	
Silver	<0.37	mg/kg	1.2	0.37	1	10/26/21 07:24	10/26/21 19:16	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.012	mg/kg	0.042	0.012	1	11/02/21 09:25	11/03/21 10:44	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.071	mg/kg	0.24	0.071	1	11/01/21 13:48	11/01/21 18:40	83-32-9	
Acenaphthylene	<0.072	mg/kg	0.24	0.072	1	11/01/21 13:48	11/01/21 18:40	208-96-8	
Anthracene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/01/21 18:40	120-12-7	
Benzo(a)anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/01/21 18:40	56-55-3	
Benzo(a)pyrene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/01/21 18:40	50-32-8	
Benzo(b)fluoranthene	<0.035	mg/kg	0.12	0.035	1	11/01/21 13:48	11/01/21 18:40	205-99-2	
Benzo(g,h,i)perylene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/01/21 18:40	191-24-2	
Benzo(k)fluoranthene	<0.048	mg/kg	0.16	0.048	1	11/01/21 13:48	11/01/21 18:40	207-08-9	
Chrysene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/01/21 18:40	218-01-9	
Dibenz(a,h)anthracene	<0.055	mg/kg	0.18	0.055	1	11/01/21 13:48	11/01/21 18:40	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.36	0.11	1	11/01/21 13:48	11/01/21 18:40	123-91-1	
Fluoranthene	<0.028	mg/kg	0.095	0.028	1	11/01/21 13:48	11/01/21 18:40	206-44-0	
Fluorene	<0.023	mg/kg	0.078	0.023	1	11/01/21 13:48	11/01/21 18:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.044	mg/kg	0.15	0.044	1	11/01/21 13:48	11/01/21 18:40	193-39-5	
1-Methylnaphthalene	<0.057	mg/kg	0.19	0.057	1	11/01/21 13:48	11/01/21 18:40	90-12-0	
2-Methylnaphthalene	<0.052	mg/kg	0.17	0.052	1	11/01/21 13:48	11/01/21 18:40	91-57-6	
Naphthalene	<0.070	mg/kg	0.23	0.070	1	11/01/21 13:48	11/01/21 18:40	91-20-3	
Phenanthrene	<0.026	mg/kg	0.086	0.026	1	11/01/21 13:48	11/01/21 18:40	85-01-8	
Pyrene	<0.045	mg/kg	0.15	0.045	1	11/01/21 13:48	11/01/21 18:40	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	35	%	40-96		1	11/01/21 13:48	11/01/21 18:40	4165-60-0	S0
2-Fluorobiphenyl (S)	37	%	14-110		1	11/01/21 13:48	11/01/21 18:40	321-60-8	
Terphenyl-d14 (S)	47	%	10-121		1	11/01/21 13:48	11/01/21 18:40	1718-51-0	
Phenol-d6 (S)	33	%	14-104		1	11/01/21 13:48	11/01/21 18:40	13127-88-3	
2-Fluorophenol (S)	32	%	10-112		1	11/01/21 13:48	11/01/21 18:40	367-12-4	
2,4,6-Tribromophenol (S)	41	%	10-128		1	11/01/21 13:48	11/01/21 18:40	118-79-6	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-9 (2-4) **Lab ID: 40235717017** Collected: 10/21/21 13:32 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.017	mg/kg	0.028	0.017	1	10/26/21 08:45	10/28/21 02:43	71-43-2	
Bromobenzene	<0.028	mg/kg	0.071	0.028	1	10/26/21 08:45	10/28/21 02:43	108-86-1	
Bromochloromethane	<0.019	mg/kg	0.071	0.019	1	10/26/21 08:45	10/28/21 02:43	74-97-5	
Bromodichloromethane	<0.017	mg/kg	0.071	0.017	1	10/26/21 08:45	10/28/21 02:43	75-27-4	
Bromoform	<0.31	mg/kg	0.35	0.31	1	10/26/21 08:45	10/28/21 02:43	75-25-2	
Bromomethane	<0.099	mg/kg	0.35	0.099	1	10/26/21 08:45	10/28/21 02:43	74-83-9	
n-Butylbenzene	<0.032	mg/kg	0.071	0.032	1	10/26/21 08:45	10/28/21 02:43	104-51-8	
sec-Butylbenzene	<0.017	mg/kg	0.071	0.017	1	10/26/21 08:45	10/28/21 02:43	135-98-8	
tert-Butylbenzene	<0.022	mg/kg	0.071	0.022	1	10/26/21 08:45	10/28/21 02:43	98-06-6	
Carbon tetrachloride	<0.016	mg/kg	0.071	0.016	1	10/26/21 08:45	10/28/21 02:43	56-23-5	
Chlorobenzene	<0.0085	mg/kg	0.071	0.0085	1	10/26/21 08:45	10/28/21 02:43	108-90-7	
Chloroethane	<0.030	mg/kg	0.35	0.030	1	10/26/21 08:45	10/28/21 02:43	75-00-3	
Chloroform	<0.051	mg/kg	0.35	0.051	1	10/26/21 08:45	10/28/21 02:43	67-66-3	
Chloromethane	<0.027	mg/kg	0.071	0.027	1	10/26/21 08:45	10/28/21 02:43	74-87-3	
2-Chlorotoluene	<0.023	mg/kg	0.071	0.023	1	10/26/21 08:45	10/28/21 02:43	95-49-8	
4-Chlorotoluene	<0.027	mg/kg	0.071	0.027	1	10/26/21 08:45	10/28/21 02:43	106-43-4	
1,2-Dibromo-3-chloropropane	<0.055	mg/kg	0.35	0.055	1	10/26/21 08:45	10/28/21 02:43	96-12-8	
Dibromochloromethane	<0.24	mg/kg	0.35	0.24	1	10/26/21 08:45	10/28/21 02:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.019	mg/kg	0.071	0.019	1	10/26/21 08:45	10/28/21 02:43	106-93-4	
Dibromomethane	<0.021	mg/kg	0.071	0.021	1	10/26/21 08:45	10/28/21 02:43	74-95-3	
1,2-Dichlorobenzene	<0.022	mg/kg	0.071	0.022	1	10/26/21 08:45	10/28/21 02:43	95-50-1	
1,3-Dichlorobenzene	<0.019	mg/kg	0.071	0.019	1	10/26/21 08:45	10/28/21 02:43	541-73-1	
1,4-Dichlorobenzene	<0.019	mg/kg	0.071	0.019	1	10/26/21 08:45	10/28/21 02:43	106-46-7	
Dichlorodifluoromethane	<0.030	mg/kg	0.071	0.030	1	10/26/21 08:45	10/28/21 02:43	75-71-8	
1,1-Dichloroethane	<0.018	mg/kg	0.071	0.018	1	10/26/21 08:45	10/28/21 02:43	75-34-3	
1,2-Dichloroethane	<0.016	mg/kg	0.071	0.016	1	10/26/21 08:45	10/28/21 02:43	107-06-2	
1,1-Dichloroethene	<0.023	mg/kg	0.071	0.023	1	10/26/21 08:45	10/28/21 02:43	75-35-4	
cis-1,2-Dichloroethene	<0.015	mg/kg	0.071	0.015	1	10/26/21 08:45	10/28/21 02:43	156-59-2	
trans-1,2-Dichloroethene	<0.015	mg/kg	0.071	0.015	1	10/26/21 08:45	10/28/21 02:43	156-60-5	
1,2-Dichloropropane	<0.017	mg/kg	0.071	0.017	1	10/26/21 08:45	10/28/21 02:43	78-87-5	
1,3-Dichloropropane	<0.015	mg/kg	0.071	0.015	1	10/26/21 08:45	10/28/21 02:43	142-28-9	
2,2-Dichloropropane	<0.019	mg/kg	0.071	0.019	1	10/26/21 08:45	10/28/21 02:43	594-20-7	
1,1-Dichloropropene	<0.023	mg/kg	0.071	0.023	1	10/26/21 08:45	10/28/21 02:43	563-58-6	
cis-1,3-Dichloropropene	<0.047	mg/kg	0.35	0.047	1	10/26/21 08:45	10/28/21 02:43	10061-01-5	
trans-1,3-Dichloropropene	<0.20	mg/kg	0.35	0.20	1	10/26/21 08:45	10/28/21 02:43	10061-02-6	
Diisopropyl ether	<0.018	mg/kg	0.071	0.018	1	10/26/21 08:45	10/28/21 02:43	108-20-3	
Ethylbenzene	<0.017	mg/kg	0.071	0.017	1	10/26/21 08:45	10/28/21 02:43	100-41-4	
Hexachloro-1,3-butadiene	<0.14	mg/kg	0.35	0.14	1	10/26/21 08:45	10/28/21 02:43	87-68-3	
Isopropylbenzene (Cumene)	<0.019	mg/kg	0.071	0.019	1	10/26/21 08:45	10/28/21 02:43	98-82-8	
p-Isopropyltoluene	<0.021	mg/kg	0.071	0.021	1	10/26/21 08:45	10/28/21 02:43	99-87-6	
Methylene Chloride	<0.020	mg/kg	0.071	0.020	1	10/26/21 08:45	10/28/21 02:43	75-09-2	
Methyl-tert-butyl ether	<0.021	mg/kg	0.071	0.021	1	10/26/21 08:45	10/28/21 02:43	1634-04-4	
Naphthalene	<0.022	mg/kg	0.35	0.022	1	10/26/21 08:45	10/28/21 02:43	91-20-3	
n-Propylbenzene	<0.017	mg/kg	0.071	0.017	1	10/26/21 08:45	10/28/21 02:43	103-65-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-9 (2-4) **Lab ID: 40235717017** Collected: 10/21/21 13:32 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<0.018	mg/kg	0.071	0.018	1	10/26/21 08:45	10/28/21 02:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.017	mg/kg	0.071	0.017	1	10/26/21 08:45	10/28/21 02:43	630-20-6	
1,1,2,2-Tetrachloroethane	<0.026	mg/kg	0.071	0.026	1	10/26/21 08:45	10/28/21 02:43	79-34-5	
Tetrachloroethene	<0.027	mg/kg	0.071	0.027	1	10/26/21 08:45	10/28/21 02:43	127-18-4	
Toluene	<0.018	mg/kg	0.071	0.018	1	10/26/21 08:45	10/28/21 02:43	108-88-3	
1,2,3-Trichlorobenzene	<0.079	mg/kg	0.35	0.079	1	10/26/21 08:45	10/28/21 02:43	87-61-6	
1,2,4-Trichlorobenzene	<0.058	mg/kg	0.35	0.058	1	10/26/21 08:45	10/28/21 02:43	120-82-1	
1,1,1-Trichloroethane	<0.018	mg/kg	0.071	0.018	1	10/26/21 08:45	10/28/21 02:43	71-55-6	
1,1,2-Trichloroethane	<0.026	mg/kg	0.071	0.026	1	10/26/21 08:45	10/28/21 02:43	79-00-5	
Trichloroethene	<0.026	mg/kg	0.071	0.026	1	10/26/21 08:45	10/28/21 02:43	79-01-6	
Trichlorofluoromethane	<0.020	mg/kg	0.071	0.020	1	10/26/21 08:45	10/28/21 02:43	75-69-4	
1,2,3-Trichloropropane	<0.034	mg/kg	0.071	0.034	1	10/26/21 08:45	10/28/21 02:43	96-18-4	
1,2,4-Trimethylbenzene	<0.021	mg/kg	0.071	0.021	1	10/26/21 08:45	10/28/21 02:43	95-63-6	
1,3,5-Trimethylbenzene	<0.023	mg/kg	0.071	0.023	1	10/26/21 08:45	10/28/21 02:43	108-67-8	
Vinyl chloride	<0.014	mg/kg	0.071	0.014	1	10/26/21 08:45	10/28/21 02:43	75-01-4	
m&p-Xylene	<0.030	mg/kg	0.14	0.030	1	10/26/21 08:45	10/28/21 02:43	179601-23-1	
o-Xylene	<0.021	mg/kg	0.071	0.021	1	10/26/21 08:45	10/28/21 02:43	95-47-6	
Surrogates									
Toluene-d8 (S)	131	%	67-159		1	10/26/21 08:45	10/28/21 02:43	2037-26-5	
4-Bromofluorobenzene (S)	131	%	66-153		1	10/26/21 08:45	10/28/21 02:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	82-158		1	10/26/21 08:45	10/28/21 02:43	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	17.1	%	0.10	0.10	1		10/26/21 09:05		
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Sample: SB-9 (7-9) **Lab ID: 40235717018** Collected: 10/21/21 13:36 Received: 10/23/21 08:55 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
WIDRO GCS									
Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Pace Analytical Services - Green Bay									
Diesel Range Organics	22.4	mg/kg	4.2	1.2	1	10/29/21 09:01	11/01/21 07:08		DC
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.5J	mg/kg	2.9	1.7	1	10/26/21 07:24	10/26/21 19:23	7440-38-2	
Barium	35.1	mg/kg	0.58	0.17	1	10/26/21 07:24	10/26/21 19:23	7440-39-3	
Cadmium	<0.15	mg/kg	0.58	0.15	1	10/26/21 07:24	10/26/21 19:23	7440-43-9	
Chromium	11.4	mg/kg	1.2	0.32	1	10/26/21 07:24	10/26/21 19:23	7440-47-3	
Lead	5.1	mg/kg	2.3	0.69	1	10/26/21 07:24	10/26/21 19:23	7439-92-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-9 (7-9) **Lab ID: 40235717018** Collected: 10/21/21 13:36 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Selenium	<1.5	mg/kg	4.6	1.5	1	10/26/21 07:24	10/26/21 19:23	7782-49-2	
Silver	<0.36	mg/kg	1.2	0.36	1	10/26/21 07:24	10/26/21 19:23	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.012	mg/kg	0.041	0.012	1	11/02/21 09:25	11/03/21 10:46	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 19:25	83-32-9	
Acenaphthylene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 19:25	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 19:25	120-12-7	
Benzo(a)anthracene	0.042J	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 19:25	56-55-3	
Benzo(a)pyrene	0.044J	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 19:25	50-32-8	
Benzo(b)fluoranthene	0.041J	mg/kg	0.11	0.033	1	11/01/21 13:48	11/02/21 19:25	205-99-2	
Benzo(g,h,i)perylene	0.068J	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 19:25	191-24-2	
Benzo(k)fluoranthene	0.083J	mg/kg	0.16	0.047	1	11/01/21 13:48	11/02/21 19:25	207-08-9	
Chrysene	0.067J	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 19:25	218-01-9	
Dibenz(a,h)anthracene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 19:25	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.35	0.11	1	11/01/21 13:48	11/02/21 19:25	123-91-1	
Fluoranthene	0.13	mg/kg	0.092	0.028	1	11/01/21 13:48	11/02/21 19:25	206-44-0	
Fluorene	<0.023	mg/kg	0.076	0.023	1	11/01/21 13:48	11/02/21 19:25	86-73-7	
Indeno(1,2,3-cd)pyrene	0.061J	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 19:25	193-39-5	
1-Methylnaphthalene	<0.055	mg/kg	0.18	0.055	1	11/01/21 13:48	11/02/21 19:25	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 19:25	91-57-6	
Naphthalene	0.078J	mg/kg	0.23	0.068	1	11/01/21 13:48	11/02/21 19:25	91-20-3	
Phenanthrene	0.079J	mg/kg	0.083	0.025	1	11/01/21 13:48	11/02/21 19:25	85-01-8	
Pyrene	0.13J	mg/kg	0.14	0.043	1	11/01/21 13:48	11/02/21 19:25	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	87	%	40-96		1	11/01/21 13:48	11/02/21 19:25	4165-60-0	
2-Fluorobiphenyl (S)	84	%	14-110		1	11/01/21 13:48	11/02/21 19:25	321-60-8	
Terphenyl-d14 (S)	93	%	10-121		1	11/01/21 13:48	11/02/21 19:25	1718-51-0	
Phenol-d6 (S)	81	%	14-104		1	11/01/21 13:48	11/02/21 19:25	13127-88-3	
2-Fluorophenol (S)	75	%	10-112		1	11/01/21 13:48	11/02/21 19:25	367-12-4	
2,4,6-Tribromophenol (S)	94	%	10-128		1	11/01/21 13:48	11/02/21 19:25	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.016	mg/kg	0.027	0.016	1	10/26/21 08:45	10/28/21 03:02	71-43-2	
Bromobenzene	<0.026	mg/kg	0.066	0.026	1	10/26/21 08:45	10/28/21 03:02	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	75-27-4	
Bromoform	<0.29	mg/kg	0.33	0.29	1	10/26/21 08:45	10/28/21 03:02	75-25-2	
Bromomethane	<0.093	mg/kg	0.33	0.093	1	10/26/21 08:45	10/28/21 03:02	74-83-9	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-9 (7-9) **Lab ID: 40235717018** Collected: 10/21/21 13:36 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Butylbenzene	0.33	mg/kg	0.066	0.030	1	10/26/21 08:45	10/28/21 03:02	104-51-8	
sec-Butylbenzene	0.29	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	135-98-8	
tert-Butylbenzene	0.12	mg/kg	0.066	0.021	1	10/26/21 08:45	10/28/21 03:02	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.066	0.015	1	10/26/21 08:45	10/28/21 03:02	56-23-5	
Chlorobenzene	<0.0080	mg/kg	0.066	0.0080	1	10/26/21 08:45	10/28/21 03:02	108-90-7	
Chloroethane	<0.028	mg/kg	0.33	0.028	1	10/26/21 08:45	10/28/21 03:02	75-00-3	
Chloroform	<0.048	mg/kg	0.33	0.048	1	10/26/21 08:45	10/28/21 03:02	67-66-3	
Chloromethane	<0.025	mg/kg	0.066	0.025	1	10/26/21 08:45	10/28/21 03:02	74-87-3	
2-Chlorotoluene	<0.022	mg/kg	0.066	0.022	1	10/26/21 08:45	10/28/21 03:02	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.066	0.025	1	10/26/21 08:45	10/28/21 03:02	106-43-4	
1,2-Dibromo-3-chloropropane	<0.052	mg/kg	0.33	0.052	1	10/26/21 08:45	10/28/21 03:02	96-12-8	
Dibromochloromethane	<0.23	mg/kg	0.33	0.23	1	10/26/21 08:45	10/28/21 03:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	106-93-4	
Dibromomethane	<0.020	mg/kg	0.066	0.020	1	10/26/21 08:45	10/28/21 03:02	74-95-3	
1,2-Dichlorobenzene	<0.021	mg/kg	0.066	0.021	1	10/26/21 08:45	10/28/21 03:02	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	106-46-7	
Dichlorodifluoromethane	<0.029	mg/kg	0.066	0.029	1	10/26/21 08:45	10/28/21 03:02	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.066	0.017	1	10/26/21 08:45	10/28/21 03:02	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.066	0.015	1	10/26/21 08:45	10/28/21 03:02	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.066	0.022	1	10/26/21 08:45	10/28/21 03:02	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.066	0.014	1	10/26/21 08:45	10/28/21 03:02	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.066	0.014	1	10/26/21 08:45	10/28/21 03:02	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.066	0.014	1	10/26/21 08:45	10/28/21 03:02	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	594-20-7	
1,1-Dichloropropene	<0.022	mg/kg	0.066	0.022	1	10/26/21 08:45	10/28/21 03:02	563-58-6	
cis-1,3-Dichloropropene	<0.044	mg/kg	0.33	0.044	1	10/26/21 08:45	10/28/21 03:02	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.33	0.19	1	10/26/21 08:45	10/28/21 03:02	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	108-20-3	
Ethylbenzene	0.045J	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.33	0.13	1	10/26/21 08:45	10/28/21 03:02	87-68-3	
Isopropylbenzene (Cumene)	0.17	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	98-82-8	
p-Isopropyltoluene	0.31	mg/kg	0.066	0.020	1	10/26/21 08:45	10/28/21 03:02	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.066	0.018	1	10/26/21 08:45	10/28/21 03:02	75-09-2	
Methyl-tert-butyl ether	<0.020	mg/kg	0.066	0.020	1	10/26/21 08:45	10/28/21 03:02	1634-04-4	
Naphthalene	0.56	mg/kg	0.33	0.021	1	10/26/21 08:45	10/28/21 03:02	91-20-3	
n-Propylbenzene	0.28	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	103-65-1	
Styrene	<0.017	mg/kg	0.066	0.017	1	10/26/21 08:45	10/28/21 03:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.066	0.016	1	10/26/21 08:45	10/28/21 03:02	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.024	mg/kg	0.066	0.024	1	10/26/21 08:45	10/28/21 03:02	79-34-5	
Tetrachloroethene	<0.026	mg/kg	0.066	0.026	1	10/26/21 08:45	10/28/21 03:02	127-18-4	
Toluene	<0.017	mg/kg	0.066	0.017	1	10/26/21 08:45	10/28/21 03:02	108-88-3	
1,2,3-Trichlorobenzene	<0.074	mg/kg	0.33	0.074	1	10/26/21 08:45	10/28/21 03:02	87-61-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-9 (7-9) **Lab ID: 40235717018** Collected: 10/21/21 13:36 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<0.055	mg/kg	0.33	0.055	1	10/26/21 08:45	10/28/21 03:02	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.066	0.017	1	10/26/21 08:45	10/28/21 03:02	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.066	0.024	1	10/26/21 08:45	10/28/21 03:02	79-00-5	
Trichloroethene	0.33	mg/kg	0.066	0.025	1	10/26/21 08:45	10/28/21 03:02	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.066	0.019	1	10/26/21 08:45	10/28/21 03:02	75-69-4	
1,2,3-Trichloropropane	<0.032	mg/kg	0.066	0.032	1	10/26/21 08:45	10/28/21 03:02	96-18-4	
1,2,4-Trimethylbenzene	2.7	mg/kg	0.066	0.020	1	10/26/21 08:45	10/28/21 03:02	95-63-6	
1,3,5-Trimethylbenzene	1.1	mg/kg	0.066	0.021	1	10/26/21 08:45	10/28/21 03:02	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.066	0.013	1	10/26/21 08:45	10/28/21 03:02	75-01-4	
m&p-Xylene	0.065J	mg/kg	0.13	0.028	1	10/26/21 08:45	10/28/21 03:02	179601-23-1	
o-Xylene	0.022J	mg/kg	0.066	0.020	1	10/26/21 08:45	10/28/21 03:02	95-47-6	
Surrogates									
Toluene-d8 (S)	127	%	67-159		1	10/26/21 08:45	10/28/21 03:02	2037-26-5	
4-Bromofluorobenzene (S)	127	%	66-153		1	10/26/21 08:45	10/28/21 03:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	126	%	82-158		1	10/26/21 08:45	10/28/21 03:02	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	14.1	%	0.10	0.10	1		10/26/21 09:05		
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Sample: SB-10 (4-6) **Lab ID: 40235717019** Collected: 10/21/21 14:15 Received: 10/23/21 08:55 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
WIDRO GCS									
Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Pace Analytical Services - Green Bay									
Diesel Range Organics	1110	mg/kg	99.8	29.8	25	10/29/21 09:01	11/01/21 08:47		DC
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	3.0	mg/kg	2.7	1.6	1	10/26/21 07:24	10/26/21 19:26	7440-38-2	
Barium	33.7	mg/kg	0.53	0.16	1	10/26/21 07:24	10/26/21 19:26	7440-39-3	
Cadmium	<0.14	mg/kg	0.53	0.14	1	10/26/21 07:24	10/26/21 19:26	7440-43-9	
Chromium	11.2	mg/kg	1.1	0.30	1	10/26/21 07:24	10/26/21 19:26	7440-47-3	
Lead	5.3	mg/kg	2.1	0.64	1	10/26/21 07:24	10/26/21 19:26	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 07:24	10/26/21 19:26	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/26/21 07:24	10/26/21 19:26	7440-22-4	

7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471
Pace Analytical Services - Green Bay

Mercury	<0.010	mg/kg	0.036	0.010	1	11/02/21 09:25	11/03/21 10:48	7439-97-6	
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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-10 (4-6) **Lab ID: 40235717019** Collected: 10/21/21 14:15 Received: 10/23/21 08:55 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
8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.26	mg/kg	0.88	0.26	4	11/01/21 13:48	11/01/21 21:27	83-32-9	
Acenaphthylene	<0.27	mg/kg	0.88	0.27	4	11/01/21 13:48	11/01/21 21:27	208-96-8	
Anthracene	<0.12	mg/kg	0.40	0.12	4	11/01/21 13:48	11/01/21 21:27	120-12-7	
Benzo(a)anthracene	<0.12	mg/kg	0.38	0.12	4	11/01/21 13:48	11/01/21 21:27	56-55-3	
Benzo(a)pyrene	0.30J	mg/kg	0.37	0.11	4	11/01/21 13:48	11/01/21 21:27	50-32-8	
Benzo(b)fluoranthene	0.21J	mg/kg	0.43	0.13	4	11/01/21 13:48	11/01/21 21:27	205-99-2	
Benzo(g,h,i)perylene	0.48J	mg/kg	0.65	0.19	4	11/01/21 13:48	11/01/21 21:27	191-24-2	
Benzo(k)fluoranthene	0.19J	mg/kg	0.59	0.18	4	11/01/21 13:48	11/01/21 21:27	207-08-9	
Chrysene	<0.11	mg/kg	0.37	0.11	4	11/01/21 13:48	11/01/21 21:27	218-01-9	
Dibenz(a,h)anthracene	0.51J	mg/kg	0.67	0.20	4	11/01/21 13:48	11/01/21 21:27	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.40	mg/kg	1.3	0.40	4	11/01/21 13:48	11/01/21 21:27	123-91-1	
Fluoranthene	<0.11	mg/kg	0.35	0.11	4	11/01/21 13:48	11/01/21 21:27	206-44-0	
Fluorene	<0.087	mg/kg	0.29	0.087	4	11/01/21 13:48	11/01/21 21:27	86-73-7	
Indeno(1,2,3-cd)pyrene	0.60	mg/kg	0.54	0.16	4	11/01/21 13:48	11/01/21 21:27	193-39-5	
1-Methylnaphthalene	<0.21	mg/kg	0.71	0.21	4	11/01/21 13:48	11/01/21 21:27	90-12-0	D3
2-Methylnaphthalene	<0.19	mg/kg	0.64	0.19	4	11/01/21 13:48	11/01/21 21:27	91-57-6	
Naphthalene	<0.26	mg/kg	0.87	0.26	4	11/01/21 13:48	11/01/21 21:27	91-20-3	
Phenanthrene	<0.095	mg/kg	0.32	0.095	4	11/01/21 13:48	11/01/21 21:27	85-01-8	
Pyrene	<0.16	mg/kg	0.55	0.16	4	11/01/21 13:48	11/01/21 21:27	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	33	%	40-96		4	11/01/21 13:48	11/01/21 21:27	4165-60-0	S0
2-Fluorobiphenyl (S)	36	%	14-110		4	11/01/21 13:48	11/01/21 21:27	321-60-8	
Terphenyl-d14 (S)	46	%	10-121		4	11/01/21 13:48	11/01/21 21:27	1718-51-0	
Phenol-d6 (S)	32	%	14-104		4	11/01/21 13:48	11/01/21 21:27	13127-88-3	
2-Fluorophenol (S)	28	%	10-112		4	11/01/21 13:48	11/01/21 21:27	367-12-4	
2,4,6-Tribromophenol (S)	38	%	10-128		4	11/01/21 13:48	11/01/21 21:27	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.025	0.015	1	10/26/21 08:45	10/28/21 03:41	71-43-2	
Bromobenzene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 03:41	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	10/26/21 08:45	10/28/21 03:41	75-25-2	
Bromomethane	<0.086	mg/kg	0.31	0.086	1	10/26/21 08:45	10/28/21 03:41	74-83-9	
n-Butylbenzene	0.23	mg/kg	0.062	0.028	1	10/26/21 08:45	10/28/21 03:41	104-51-8	
sec-Butylbenzene	0.10	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	135-98-8	
tert-Butylbenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 03:41	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 03:41	56-23-5	
Chlorobenzene	<0.0074	mg/kg	0.062	0.0074	1	10/26/21 08:45	10/28/21 03:41	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/26/21 08:45	10/28/21 03:41	75-00-3	
Chloroform	<0.044	mg/kg	0.31	0.044	1	10/26/21 08:45	10/28/21 03:41	67-66-3	
Chloromethane	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 03:41	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 03:41	95-49-8	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-10 (4-6) **Lab ID: 40235717019** Collected: 10/21/21 14:15 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
4-Chlorotoluene	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 03:41	106-43-4	
1,2-Dibromo-3-chloropropane	<0.048	mg/kg	0.31	0.048	1	10/26/21 08:45	10/28/21 03:41	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/26/21 08:45	10/28/21 03:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	106-93-4	
Dibromomethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 03:41	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 03:41	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	106-46-7	
Dichlorodifluoromethane	<0.026	mg/kg	0.062	0.026	1	10/26/21 08:45	10/28/21 03:41	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 03:41	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.062	0.014	1	10/26/21 08:45	10/28/21 03:41	107-06-2	
1,1-Dichloroethene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 03:41	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 03:41	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 03:41	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	78-87-5	
1,3-Dichloropropane	<0.013	mg/kg	0.062	0.013	1	10/26/21 08:45	10/28/21 03:41	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 03:41	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/26/21 08:45	10/28/21 03:41	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/26/21 08:45	10/28/21 03:41	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/26/21 08:45	10/28/21 03:41	87-68-3	
Isopropylbenzene (Cumene)	0.052J	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	98-82-8	
p-Isopropyltoluene	0.089	mg/kg	0.062	0.019	1	10/26/21 08:45	10/28/21 03:41	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.062	0.017	1	10/26/21 08:45	10/28/21 03:41	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 03:41	1634-04-4	
Naphthalene	0.089J	mg/kg	0.31	0.019	1	10/26/21 08:45	10/28/21 03:41	91-20-3	
n-Propylbenzene	0.18	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	103-65-1	
Styrene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 03:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.062	0.015	1	10/26/21 08:45	10/28/21 03:41	630-20-6	
1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.062	0.022	1	10/26/21 08:45	10/28/21 03:41	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.062	0.024	1	10/26/21 08:45	10/28/21 03:41	127-18-4	
Toluene	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 03:41	108-88-3	
1,2,3-Trichlorobenzene	<0.069	mg/kg	0.31	0.069	1	10/26/21 08:45	10/28/21 03:41	87-61-6	
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.31	0.051	1	10/26/21 08:45	10/28/21 03:41	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.062	0.016	1	10/26/21 08:45	10/28/21 03:41	71-55-6	
1,1,2-Trichloroethane	<0.022	mg/kg	0.062	0.022	1	10/26/21 08:45	10/28/21 03:41	79-00-5	
Trichloroethene	<0.023	mg/kg	0.062	0.023	1	10/26/21 08:45	10/28/21 03:41	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 03:41	75-69-4	
1,2,3-Trichloropropane	<0.030	mg/kg	0.062	0.030	1	10/26/21 08:45	10/28/21 03:41	96-18-4	
1,2,4-Trimethylbenzene	1.2	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 03:41	95-63-6	
1,3,5-Trimethylbenzene	0.43	mg/kg	0.062	0.020	1	10/26/21 08:45	10/28/21 03:41	108-67-8	
Vinyl chloride	<0.012	mg/kg	0.062	0.012	1	10/26/21 08:45	10/28/21 03:41	75-01-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-10 (4-6) **Lab ID: 40235717019** Collected: 10/21/21 14:15 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
m&p-Xylene	0.027J	mg/kg	0.12	0.026	1	10/26/21 08:45	10/28/21 03:41	179601-23-1	
o-Xylene	<0.018	mg/kg	0.062	0.018	1	10/26/21 08:45	10/28/21 03:41	95-47-6	
Surrogates									
Toluene-d8 (S)	116	%	67-159		1	10/26/21 08:45	10/28/21 03:41	2037-26-5	
4-Bromofluorobenzene (S)	135	%	66-153		1	10/26/21 08:45	10/28/21 03:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	82-158		1	10/26/21 08:45	10/28/21 03:41	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.3	%	0.10	0.10	1		10/26/21 09:06		

Sample: SB-10 (8-10) **Lab ID: 40235717020** Collected: 10/21/21 14:17 Received: 10/23/21 08:55 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
WIDRO GCS									
Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO									
Pace Analytical Services - Green Bay									
Diesel Range Organics	4.3	mg/kg	4.0	1.2	1	10/29/21 09:01	11/01/21 08:38		DC
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.7J	mg/kg	2.7	1.6	1	10/26/21 07:24	10/26/21 19:28	7440-38-2	
Barium	31.5	mg/kg	0.54	0.16	1	10/26/21 07:24	10/26/21 19:28	7440-39-3	
Cadmium	0.21J	mg/kg	0.54	0.14	1	10/26/21 07:24	10/26/21 19:28	7440-43-9	
Chromium	8.3	mg/kg	1.1	0.30	1	10/26/21 07:24	10/26/21 19:28	7440-47-3	
Lead	7.5	mg/kg	2.2	0.65	1	10/26/21 07:24	10/26/21 19:28	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 07:24	10/26/21 19:28	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/26/21 07:24	10/26/21 19:28	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 09:25	11/03/21 10:51	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 11:23	83-32-9	
Acenaphthylene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 11:23	208-96-8	
Anthracene	<0.030	mg/kg	0.099	0.030	1	11/01/21 13:48	11/02/21 11:23	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.095	0.029	1	11/01/21 13:48	11/02/21 11:23	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.093	0.028	1	11/01/21 13:48	11/02/21 11:23	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/02/21 11:23	205-99-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-10 (8-10) **Lab ID: 40235717020** Collected: 10/21/21 14:17 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Benzo(g,h,i)perylene	<0.048	mg/kg	0.16	0.048	1	11/01/21 13:48	11/02/21 11:23	191-24-2	
Benzo(k)fluoranthene	<0.044	mg/kg	0.15	0.044	1	11/01/21 13:48	11/02/21 11:23	207-08-9	
Chrysene	<0.028	mg/kg	0.092	0.028	1	11/01/21 13:48	11/02/21 11:23	218-01-9	
Dibenz(a,h)anthracene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 11:23	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.33	0.10	1	11/01/21 13:48	11/02/21 11:23	123-91-1	
Fluoranthene	<0.026	mg/kg	0.087	0.026	1	11/01/21 13:48	11/02/21 11:23	206-44-0	
Fluorene	<0.022	mg/kg	0.072	0.022	1	11/01/21 13:48	11/02/21 11:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.040	mg/kg	0.13	0.040	1	11/01/21 13:48	11/02/21 11:23	193-39-5	
1-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 11:23	90-12-0	
2-Methylnaphthalene	<0.048	mg/kg	0.16	0.048	1	11/01/21 13:48	11/02/21 11:23	91-57-6	
Naphthalene	<0.065	mg/kg	0.22	0.065	1	11/01/21 13:48	11/02/21 11:23	91-20-3	
Phenanthrene	<0.024	mg/kg	0.079	0.024	1	11/01/21 13:48	11/02/21 11:23	85-01-8	
Pyrene	<0.041	mg/kg	0.14	0.041	1	11/01/21 13:48	11/02/21 11:23	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	40-96		1	11/01/21 13:48	11/02/21 11:23	4165-60-0	
2-Fluorobiphenyl (S)	74	%	14-110		1	11/01/21 13:48	11/02/21 11:23	321-60-8	
Terphenyl-d14 (S)	81	%	10-121		1	11/01/21 13:48	11/02/21 11:23	1718-51-0	
Phenol-d6 (S)	68	%	14-104		1	11/01/21 13:48	11/02/21 11:23	13127-88-3	
2-Fluorophenol (S)	66	%	10-112		1	11/01/21 13:48	11/02/21 11:23	367-12-4	
2,4,6-Tribromophenol (S)	78	%	10-128		1	11/01/21 13:48	11/02/21 11:23	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.014	mg/kg	0.024	0.014	1	10/26/21 08:45	10/28/21 10:16	71-43-2	
Bromobenzene	<0.024	mg/kg	0.061	0.024	1	10/26/21 08:45	10/28/21 10:16	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.061	0.017	1	10/26/21 08:45	10/28/21 10:16	74-97-5	
Bromodichloromethane	<0.014	mg/kg	0.061	0.014	1	10/26/21 08:45	10/28/21 10:16	75-27-4	
Bromoform	<0.27	mg/kg	0.30	0.27	1	10/26/21 08:45	10/28/21 10:16	75-25-2	
Bromomethane	<0.085	mg/kg	0.30	0.085	1	10/26/21 08:45	10/28/21 10:16	74-83-9	
n-Butylbenzene	<0.028	mg/kg	0.061	0.028	1	10/26/21 08:45	10/28/21 10:16	104-51-8	
sec-Butylbenzene	0.027J	mg/kg	0.061	0.015	1	10/26/21 08:45	10/28/21 10:16	135-98-8	
tert-Butylbenzene	<0.019	mg/kg	0.061	0.019	1	10/26/21 08:45	10/28/21 10:16	98-06-6	
Carbon tetrachloride	<0.013	mg/kg	0.061	0.013	1	10/26/21 08:45	10/28/21 10:16	56-23-5	
Chlorobenzene	<0.0073	mg/kg	0.061	0.0073	1	10/26/21 08:45	10/28/21 10:16	108-90-7	
Chloroethane	<0.026	mg/kg	0.30	0.026	1	10/26/21 08:45	10/28/21 10:16	75-00-3	
Chloroform	<0.043	mg/kg	0.30	0.043	1	10/26/21 08:45	10/28/21 10:16	67-66-3	
Chloromethane	<0.023	mg/kg	0.061	0.023	1	10/26/21 08:45	10/28/21 10:16	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.061	0.020	1	10/26/21 08:45	10/28/21 10:16	95-49-8	
4-Chlorotoluene	<0.023	mg/kg	0.061	0.023	1	10/26/21 08:45	10/28/21 10:16	106-43-4	
1,2-Dibromo-3-chloropropane	<0.047	mg/kg	0.30	0.047	1	10/26/21 08:45	10/28/21 10:16	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.30	0.21	1	10/26/21 08:45	10/28/21 10:16	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.061	0.017	1	10/26/21 08:45	10/28/21 10:16	106-93-4	
Dibromomethane	<0.018	mg/kg	0.061	0.018	1	10/26/21 08:45	10/28/21 10:16	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.061	0.019	1	10/26/21 08:45	10/28/21 10:16	95-50-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-10 (8-10) **Lab ID: 40235717020** Collected: 10/21/21 14:17 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.017	mg/kg	0.061	0.017	1	10/26/21 08:45	10/28/21 10:16	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.061	0.017	1	10/26/21 08:45	10/28/21 10:16	106-46-7	
Dichlorodifluoromethane	<0.026	mg/kg	0.061	0.026	1	10/26/21 08:45	10/28/21 10:16	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.061	0.016	1	10/26/21 08:45	10/28/21 10:16	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.061	0.014	1	10/26/21 08:45	10/28/21 10:16	107-06-2	
1,1-Dichloroethene	<0.020	mg/kg	0.061	0.020	1	10/26/21 08:45	10/28/21 10:16	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.061	0.013	1	10/26/21 08:45	10/28/21 10:16	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.061	0.013	1	10/26/21 08:45	10/28/21 10:16	156-60-5	
1,2-Dichloropropane	<0.014	mg/kg	0.061	0.014	1	10/26/21 08:45	10/28/21 10:16	78-87-5	
1,3-Dichloropropane	<0.013	mg/kg	0.061	0.013	1	10/26/21 08:45	10/28/21 10:16	142-28-9	
2,2-Dichloropropane	<0.016	mg/kg	0.061	0.016	1	10/26/21 08:45	10/28/21 10:16	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.061	0.020	1	10/26/21 08:45	10/28/21 10:16	563-58-6	
cis-1,3-Dichloropropene	<0.040	mg/kg	0.30	0.040	1	10/26/21 08:45	10/28/21 10:16	10061-01-5	
trans-1,3-Dichloropropene	<0.17	mg/kg	0.30	0.17	1	10/26/21 08:45	10/28/21 10:16	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.061	0.015	1	10/26/21 08:45	10/28/21 10:16	108-20-3	
Ethylbenzene	0.021J	mg/kg	0.061	0.014	1	10/26/21 08:45	10/28/21 10:16	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.30	0.12	1	10/26/21 08:45	10/28/21 10:16	87-68-3	
Isopropylbenzene (Cumene)	0.020J	mg/kg	0.061	0.016	1	10/26/21 08:45	10/28/21 10:16	98-82-8	
p-Isopropyltoluene	<0.018	mg/kg	0.061	0.018	1	10/26/21 08:45	10/28/21 10:16	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.061	0.017	1	10/26/21 08:45	10/28/21 10:16	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.061	0.018	1	10/26/21 08:45	10/28/21 10:16	1634-04-4	
Naphthalene	<0.019	mg/kg	0.30	0.019	1	10/26/21 08:45	10/28/21 10:16	91-20-3	
n-Propylbenzene	0.083	mg/kg	0.061	0.015	1	10/26/21 08:45	10/28/21 10:16	103-65-1	
Styrene	<0.016	mg/kg	0.061	0.016	1	10/26/21 08:45	10/28/21 10:16	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.061	0.015	1	10/26/21 08:45	10/28/21 10:16	630-20-6	
1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.061	0.022	1	10/26/21 08:45	10/28/21 10:16	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.061	0.024	1	10/26/21 08:45	10/28/21 10:16	127-18-4	
Toluene	<0.015	mg/kg	0.061	0.015	1	10/26/21 08:45	10/28/21 10:16	108-88-3	
1,2,3-Trichlorobenzene	<0.068	mg/kg	0.30	0.068	1	10/26/21 08:45	10/28/21 10:16	87-61-6	
1,2,4-Trichlorobenzene	<0.050	mg/kg	0.30	0.050	1	10/26/21 08:45	10/28/21 10:16	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.061	0.016	1	10/26/21 08:45	10/28/21 10:16	71-55-6	
1,1,2-Trichloroethane	<0.022	mg/kg	0.061	0.022	1	10/26/21 08:45	10/28/21 10:16	79-00-5	
Trichloroethene	<0.023	mg/kg	0.061	0.023	1	10/26/21 08:45	10/28/21 10:16	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.061	0.018	1	10/26/21 08:45	10/28/21 10:16	75-69-4	
1,2,3-Trichloropropane	<0.029	mg/kg	0.061	0.029	1	10/26/21 08:45	10/28/21 10:16	96-18-4	
1,2,4-Trimethylbenzene	0.086	mg/kg	0.061	0.018	1	10/26/21 08:45	10/28/21 10:16	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.061	0.020	1	10/26/21 08:45	10/28/21 10:16	108-67-8	
Vinyl chloride	<0.012	mg/kg	0.061	0.012	1	10/26/21 08:45	10/28/21 10:16	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.12	0.026	1	10/26/21 08:45	10/28/21 10:16	179601-23-1	
o-Xylene	<0.018	mg/kg	0.061	0.018	1	10/26/21 08:45	10/28/21 10:16	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	10/26/21 08:45	10/28/21 10:16	2037-26-5	
4-Bromofluorobenzene (S)	126	%	66-153		1	10/26/21 08:45	10/28/21 10:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	119	%	82-158		1	10/26/21 08:45	10/28/21 10:16	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-10 (8-10) **Lab ID: 40235717020** Collected: 10/21/21 14:17 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	9.6	%	0.10	0.10	1		10/26/21 09:06		

Sample: SB-11 (2-4) **Lab ID: 40235717021** Collected: 10/21/21 14:31 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay									
Arsenic	4.3	mg/kg	3.0	1.8	1	10/26/21 06:50	10/26/21 13:59	7440-38-2	
Barium	102	mg/kg	0.60	0.18	1	10/26/21 06:50	10/26/21 13:59	7440-39-3	M0
Cadmium	0.35J	mg/kg	0.60	0.16	1	10/26/21 06:50	10/26/21 13:59	7440-43-9	
Chromium	24.2	mg/kg	1.2	0.33	1	10/26/21 06:50	10/26/21 13:59	7440-47-3	
Lead	13.1	mg/kg	2.4	0.72	1	10/26/21 06:50	10/26/21 13:59	7439-92-1	
Selenium	<1.6	mg/kg	4.8	1.6	1	10/26/21 06:50	10/26/21 13:59	7782-49-2	
Silver	<0.37	mg/kg	1.2	0.37	1	10/26/21 06:50	10/26/21 13:59	7440-22-4	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471
Pace Analytical Services - Green Bay

Mercury	0.035J	mg/kg	0.042	0.012	1	11/02/21 12:22	11/03/21 10:58	7439-97-6	
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Acenaphthene	<0.071	mg/kg	0.24	0.071	1	11/01/21 13:48	11/02/21 11:44	83-32-9	
Acenaphthylene	<0.072	mg/kg	0.24	0.072	1	11/01/21 13:48	11/02/21 11:44	208-96-8	
Anthracene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/02/21 11:44	120-12-7	
Benzo(a)anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 11:44	56-55-3	
Benzo(a)pyrene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 11:44	50-32-8	
Benzo(b)fluoranthene	<0.034	mg/kg	0.11	0.034	1	11/01/21 13:48	11/02/21 11:44	205-99-2	
Benzo(g,h,i)perylene	<0.052	mg/kg	0.17	0.052	1	11/01/21 13:48	11/02/21 11:44	191-24-2	
Benzo(k)fluoranthene	<0.048	mg/kg	0.16	0.048	1	11/01/21 13:48	11/02/21 11:44	207-08-9	
Chrysene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 11:44	218-01-9	
Dibenz(a,h)anthracene	<0.054	mg/kg	0.18	0.054	1	11/01/21 13:48	11/02/21 11:44	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.36	0.11	1	11/01/21 13:48	11/02/21 11:44	123-91-1	
Fluoranthene	<0.028	mg/kg	0.095	0.028	1	11/01/21 13:48	11/02/21 11:44	206-44-0	
Fluorene	<0.023	mg/kg	0.078	0.023	1	11/01/21 13:48	11/02/21 11:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.043	mg/kg	0.14	0.043	1	11/01/21 13:48	11/02/21 11:44	193-39-5	
1-Methylnaphthalene	<0.057	mg/kg	0.19	0.057	1	11/01/21 13:48	11/02/21 11:44	90-12-0	
2-Methylnaphthalene	<0.052	mg/kg	0.17	0.052	1	11/01/21 13:48	11/02/21 11:44	91-57-6	
Naphthalene	<0.070	mg/kg	0.23	0.070	1	11/01/21 13:48	11/02/21 11:44	91-20-3	
Phenanthrene	<0.026	mg/kg	0.086	0.026	1	11/01/21 13:48	11/02/21 11:44	85-01-8	
Pyrene	<0.044	mg/kg	0.15	0.044	1	11/01/21 13:48	11/02/21 11:44	129-00-0	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-11 (2-4) **Lab ID: 40235717021** Collected: 10/21/21 14:31 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	69	%	40-96		1	11/01/21 13:48	11/02/21 11:44	4165-60-0	
2-Fluorobiphenyl (S)	63	%	14-110		1	11/01/21 13:48	11/02/21 11:44	321-60-8	
Terphenyl-d14 (S)	72	%	10-121		1	11/01/21 13:48	11/02/21 11:44	1718-51-0	
Phenol-d6 (S)	60	%	14-104		1	11/01/21 13:48	11/02/21 11:44	13127-88-3	
2-Fluorophenol (S)	60	%	10-112		1	11/01/21 13:48	11/02/21 11:44	367-12-4	
2,4,6-Tribromophenol (S)	65	%	10-128		1	11/01/21 13:48	11/02/21 11:44	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.017	mg/kg	0.028	0.017	1	10/28/21 08:45	10/29/21 15:53	71-43-2	
Bromobenzene	<0.027	mg/kg	0.070	0.027	1	10/28/21 08:45	10/29/21 15:53	108-86-1	
Bromochloromethane	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	74-97-5	
Bromodichloromethane	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	75-27-4	
Bromoform	<0.31	mg/kg	0.35	0.31	1	10/28/21 08:45	10/29/21 15:53	75-25-2	
Bromomethane	<0.098	mg/kg	0.35	0.098	1	10/28/21 08:45	10/29/21 15:53	74-83-9	
n-Butylbenzene	<0.032	mg/kg	0.070	0.032	1	10/28/21 08:45	10/29/21 15:53	104-51-8	
sec-Butylbenzene	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	135-98-8	
tert-Butylbenzene	<0.022	mg/kg	0.070	0.022	1	10/28/21 08:45	10/29/21 15:53	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.070	0.015	1	10/28/21 08:45	10/29/21 15:53	56-23-5	
Chlorobenzene	<0.0084	mg/kg	0.070	0.0084	1	10/28/21 08:45	10/29/21 15:53	108-90-7	
Chloroethane	<0.030	mg/kg	0.35	0.030	1	10/28/21 08:45	10/29/21 15:53	75-00-3	
Chloroform	<0.050	mg/kg	0.35	0.050	1	10/28/21 08:45	10/29/21 15:53	67-66-3	
Chloromethane	<0.027	mg/kg	0.070	0.027	1	10/28/21 08:45	10/29/21 15:53	74-87-3	
2-Chlorotoluene	<0.023	mg/kg	0.070	0.023	1	10/28/21 08:45	10/29/21 15:53	95-49-8	
4-Chlorotoluene	<0.027	mg/kg	0.070	0.027	1	10/28/21 08:45	10/29/21 15:53	106-43-4	
1,2-Dibromo-3-chloropropane	<0.054	mg/kg	0.35	0.054	1	10/28/21 08:45	10/29/21 15:53	96-12-8	
Dibromochloromethane	<0.24	mg/kg	0.35	0.24	1	10/28/21 08:45	10/29/21 15:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	106-93-4	
Dibromomethane	<0.021	mg/kg	0.070	0.021	1	10/28/21 08:45	10/29/21 15:53	74-95-3	
1,2-Dichlorobenzene	<0.022	mg/kg	0.070	0.022	1	10/28/21 08:45	10/29/21 15:53	95-50-1	
1,3-Dichlorobenzene	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	541-73-1	
1,4-Dichlorobenzene	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	106-46-7	
Dichlorodifluoromethane	<0.030	mg/kg	0.070	0.030	1	10/28/21 08:45	10/29/21 15:53	75-71-8	
1,1-Dichloroethane	<0.018	mg/kg	0.070	0.018	1	10/28/21 08:45	10/29/21 15:53	75-34-3	
1,2-Dichloroethane	<0.016	mg/kg	0.070	0.016	1	10/28/21 08:45	10/29/21 15:53	107-06-2	
1,1-Dichloroethene	<0.023	mg/kg	0.070	0.023	1	10/28/21 08:45	10/29/21 15:53	75-35-4	
cis-1,2-Dichloroethene	<0.015	mg/kg	0.070	0.015	1	10/28/21 08:45	10/29/21 15:53	156-59-2	
trans-1,2-Dichloroethene	<0.015	mg/kg	0.070	0.015	1	10/28/21 08:45	10/29/21 15:53	156-60-5	
1,2-Dichloropropane	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	78-87-5	
1,3-Dichloropropane	<0.015	mg/kg	0.070	0.015	1	10/28/21 08:45	10/29/21 15:53	142-28-9	
2,2-Dichloropropane	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	594-20-7	
1,1-Dichloropropene	<0.023	mg/kg	0.070	0.023	1	10/28/21 08:45	10/29/21 15:53	563-58-6	
cis-1,3-Dichloropropene	<0.046	mg/kg	0.35	0.046	1	10/28/21 08:45	10/29/21 15:53	10061-01-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-11 (2-4) **Lab ID: 40235717021** Collected: 10/21/21 14:31 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.20	mg/kg	0.35	0.20	1	10/28/21 08:45	10/29/21 15:53	10061-02-6	
Diisopropyl ether	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	108-20-3	
Ethylbenzene	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	100-41-4	
Hexachloro-1,3-butadiene	<0.14	mg/kg	0.35	0.14	1	10/28/21 08:45	10/29/21 15:53	87-68-3	
Isopropylbenzene (Cumene)	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	98-82-8	
p-Isopropyltoluene	<0.021	mg/kg	0.070	0.021	1	10/28/21 08:45	10/29/21 15:53	99-87-6	
Methylene Chloride	<0.019	mg/kg	0.070	0.019	1	10/28/21 08:45	10/29/21 15:53	75-09-2	
Methyl-tert-butyl ether	<0.021	mg/kg	0.070	0.021	1	10/28/21 08:45	10/29/21 15:53	1634-04-4	
Naphthalene	<0.022	mg/kg	0.35	0.022	1	10/28/21 08:45	10/29/21 15:53	91-20-3	
n-Propylbenzene	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	103-65-1	
Styrene	<0.018	mg/kg	0.070	0.018	1	10/28/21 08:45	10/29/21 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.017	mg/kg	0.070	0.017	1	10/28/21 08:45	10/29/21 15:53	630-20-6	
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.070	0.025	1	10/28/21 08:45	10/29/21 15:53	79-34-5	
Tetrachloroethene	<0.027	mg/kg	0.070	0.027	1	10/28/21 08:45	10/29/21 15:53	127-18-4	
Toluene	<0.018	mg/kg	0.070	0.018	1	10/28/21 08:45	10/29/21 15:53	108-88-3	
1,2,3-Trichlorobenzene	<0.078	mg/kg	0.35	0.078	1	10/28/21 08:45	10/29/21 15:53	87-61-6	
1,2,4-Trichlorobenzene	<0.058	mg/kg	0.35	0.058	1	10/28/21 08:45	10/29/21 15:53	120-82-1	
1,1,1-Trichloroethane	<0.018	mg/kg	0.070	0.018	1	10/28/21 08:45	10/29/21 15:53	71-55-6	
1,1,2-Trichloroethane	<0.026	mg/kg	0.070	0.026	1	10/28/21 08:45	10/29/21 15:53	79-00-5	
Trichloroethene	<0.026	mg/kg	0.070	0.026	1	10/28/21 08:45	10/29/21 15:53	79-01-6	
Trichlorofluoromethane	<0.020	mg/kg	0.070	0.020	1	10/28/21 08:45	10/29/21 15:53	75-69-4	
1,2,3-Trichloropropane	<0.034	mg/kg	0.070	0.034	1	10/28/21 08:45	10/29/21 15:53	96-18-4	
1,2,4-Trimethylbenzene	<0.021	mg/kg	0.070	0.021	1	10/28/21 08:45	10/29/21 15:53	95-63-6	
1,3,5-Trimethylbenzene	<0.023	mg/kg	0.070	0.023	1	10/28/21 08:45	10/29/21 15:53	108-67-8	
Vinyl chloride	<0.014	mg/kg	0.070	0.014	1	10/28/21 08:45	10/29/21 15:53	75-01-4	
m&p-Xylene	<0.030	mg/kg	0.14	0.030	1	10/28/21 08:45	10/29/21 15:53	179601-23-1	
o-Xylene	<0.021	mg/kg	0.070	0.021	1	10/28/21 08:45	10/29/21 15:53	95-47-6	
Surrogates									
Toluene-d8 (S)	120	%	67-159		1	10/28/21 08:45	10/29/21 15:53	2037-26-5	
4-Bromofluorobenzene (S)	124	%	66-153		1	10/28/21 08:45	10/29/21 15:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	117	%	82-158		1	10/28/21 08:45	10/29/21 15:53	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	16.7	%	0.10	0.10	1		10/26/21 09:35		

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-11 (8-10) **Lab ID: 40235717022** Collected: 10/21/21 14:37 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.7	mg/kg	2.6	1.6	1	10/26/21 06:50	10/26/21 14:08	7440-38-2	
Barium	36.5	mg/kg	0.53	0.16	1	10/26/21 06:50	10/26/21 14:08	7440-39-3	
Cadmium	0.24J	mg/kg	0.53	0.14	1	10/26/21 06:50	10/26/21 14:08	7440-43-9	
Chromium	8.4	mg/kg	1.1	0.29	1	10/26/21 06:50	10/26/21 14:08	7440-47-3	
Lead	6.0	mg/kg	2.1	0.63	1	10/26/21 06:50	10/26/21 14:08	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 06:50	10/26/21 14:08	7782-49-2	
Silver	<0.32	mg/kg	1.1	0.32	1	10/26/21 06:50	10/26/21 14:08	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 12:22	11/03/21 11:05	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 12:05	83-32-9	
Acenaphthylene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 12:05	208-96-8	
Anthracene	<0.030	mg/kg	0.099	0.030	1	11/01/21 13:48	11/02/21 12:05	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.096	0.029	1	11/01/21 13:48	11/02/21 12:05	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.093	0.028	1	11/01/21 13:48	11/02/21 12:05	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/02/21 12:05	205-99-2	
Benzo(g,h,i)perylene	<0.049	mg/kg	0.16	0.049	1	11/01/21 13:48	11/02/21 12:05	191-24-2	
Benzo(k)fluoranthene	<0.044	mg/kg	0.15	0.044	1	11/01/21 13:48	11/02/21 12:05	207-08-9	
Chrysene	<0.028	mg/kg	0.093	0.028	1	11/01/21 13:48	11/02/21 12:05	218-01-9	
Dibenz(a,h)anthracene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 12:05	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	11/01/21 13:48	11/02/21 12:05	123-91-1	
Fluoranthene	<0.026	mg/kg	0.088	0.026	1	11/01/21 13:48	11/02/21 12:05	206-44-0	
Fluorene	<0.022	mg/kg	0.072	0.022	1	11/01/21 13:48	11/02/21 12:05	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.040	mg/kg	0.13	0.040	1	11/01/21 13:48	11/02/21 12:05	193-39-5	
1-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 12:05	90-12-0	
2-Methylnaphthalene	<0.048	mg/kg	0.16	0.048	1	11/01/21 13:48	11/02/21 12:05	91-57-6	
Naphthalene	<0.065	mg/kg	0.22	0.065	1	11/01/21 13:48	11/02/21 12:05	91-20-3	
Phenanthrene	<0.024	mg/kg	0.079	0.024	1	11/01/21 13:48	11/02/21 12:05	85-01-8	
Pyrene	<0.041	mg/kg	0.14	0.041	1	11/01/21 13:48	11/02/21 12:05	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	79	%	40-96		1	11/01/21 13:48	11/02/21 12:05	4165-60-0	
2-Fluorobiphenyl (S)	72	%	14-110		1	11/01/21 13:48	11/02/21 12:05	321-60-8	
Terphenyl-d14 (S)	87	%	10-121		1	11/01/21 13:48	11/02/21 12:05	1718-51-0	
Phenol-d6 (S)	80	%	14-104		1	11/01/21 13:48	11/02/21 12:05	13127-88-3	
2-Fluorophenol (S)	82	%	10-112		1	11/01/21 13:48	11/02/21 12:05	367-12-4	
2,4,6-Tribromophenol (S)	81	%	10-128		1	11/01/21 13:48	11/02/21 12:05	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.025	0.015	1	10/28/21 08:45	10/29/21 16:12	71-43-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: **SB-11 (8-10)** Lab ID: **40235717022** Collected: 10/21/21 14:37 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.024	mg/kg	0.061	0.024	1	10/28/21 08:45	10/29/21 16:12	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	10/28/21 08:45	10/29/21 16:12	75-25-2	
Bromomethane	<0.086	mg/kg	0.31	0.086	1	10/28/21 08:45	10/29/21 16:12	74-83-9	
n-Butylbenzene	<0.028	mg/kg	0.061	0.028	1	10/28/21 08:45	10/29/21 16:12	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	135-98-8	
tert-Butylbenzene	<0.019	mg/kg	0.061	0.019	1	10/28/21 08:45	10/29/21 16:12	98-06-6	
Carbon tetrachloride	<0.013	mg/kg	0.061	0.013	1	10/28/21 08:45	10/29/21 16:12	56-23-5	
Chlorobenzene	<0.0074	mg/kg	0.061	0.0074	1	10/28/21 08:45	10/29/21 16:12	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/28/21 08:45	10/29/21 16:12	75-00-3	
Chloroform	<0.044	mg/kg	0.31	0.044	1	10/28/21 08:45	10/29/21 16:12	67-66-3	
Chloromethane	<0.023	mg/kg	0.061	0.023	1	10/28/21 08:45	10/29/21 16:12	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.061	0.020	1	10/28/21 08:45	10/29/21 16:12	95-49-8	
4-Chlorotoluene	<0.023	mg/kg	0.061	0.023	1	10/28/21 08:45	10/29/21 16:12	106-43-4	
1,2-Dibromo-3-chloropropane	<0.048	mg/kg	0.31	0.048	1	10/28/21 08:45	10/29/21 16:12	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/28/21 08:45	10/29/21 16:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	106-93-4	
Dibromomethane	<0.018	mg/kg	0.061	0.018	1	10/28/21 08:45	10/29/21 16:12	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.061	0.019	1	10/28/21 08:45	10/29/21 16:12	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	106-46-7	
Dichlorodifluoromethane	<0.026	mg/kg	0.061	0.026	1	10/28/21 08:45	10/29/21 16:12	75-71-8	
1,1-Dichloroethane	0.073	mg/kg	0.061	0.016	1	10/28/21 08:45	10/29/21 16:12	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.061	0.014	1	10/28/21 08:45	10/29/21 16:12	107-06-2	
1,1-Dichloroethene	<0.020	mg/kg	0.061	0.020	1	10/28/21 08:45	10/29/21 16:12	75-35-4	
cis-1,2-Dichloroethene	0.020J	mg/kg	0.061	0.013	1	10/28/21 08:45	10/29/21 16:12	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.061	0.013	1	10/28/21 08:45	10/29/21 16:12	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	78-87-5	
1,3-Dichloropropane	<0.013	mg/kg	0.061	0.013	1	10/28/21 08:45	10/29/21 16:12	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.061	0.020	1	10/28/21 08:45	10/29/21 16:12	563-58-6	
cis-1,3-Dichloropropene	<0.040	mg/kg	0.31	0.040	1	10/28/21 08:45	10/29/21 16:12	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/28/21 08:45	10/29/21 16:12	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/28/21 08:45	10/29/21 16:12	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.061	0.019	1	10/28/21 08:45	10/29/21 16:12	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.061	0.017	1	10/28/21 08:45	10/29/21 16:12	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.061	0.018	1	10/28/21 08:45	10/29/21 16:12	1634-04-4	
Naphthalene	<0.019	mg/kg	0.31	0.019	1	10/28/21 08:45	10/29/21 16:12	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	103-65-1	
Styrene	<0.016	mg/kg	0.061	0.016	1	10/28/21 08:45	10/29/21 16:12	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-11 (8-10) **Lab ID: 40235717022** Collected: 10/21/21 14:37 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.061	0.022	1	10/28/21 08:45	10/29/21 16:12	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.061	0.024	1	10/28/21 08:45	10/29/21 16:12	127-18-4	
Toluene	<0.015	mg/kg	0.061	0.015	1	10/28/21 08:45	10/29/21 16:12	108-88-3	
1,2,3-Trichlorobenzene	<0.068	mg/kg	0.31	0.068	1	10/28/21 08:45	10/29/21 16:12	87-61-6	
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.31	0.051	1	10/28/21 08:45	10/29/21 16:12	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.061	0.016	1	10/28/21 08:45	10/29/21 16:12	71-55-6	
1,1,2-Trichloroethane	<0.022	mg/kg	0.061	0.022	1	10/28/21 08:45	10/29/21 16:12	79-00-5	
Trichloroethene	<0.023	mg/kg	0.061	0.023	1	10/28/21 08:45	10/29/21 16:12	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.061	0.018	1	10/28/21 08:45	10/29/21 16:12	75-69-4	
1,2,3-Trichloropropane	<0.030	mg/kg	0.061	0.030	1	10/28/21 08:45	10/29/21 16:12	96-18-4	
1,2,4-Trimethylbenzene	<0.018	mg/kg	0.061	0.018	1	10/28/21 08:45	10/29/21 16:12	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.061	0.020	1	10/28/21 08:45	10/29/21 16:12	108-67-8	
Vinyl chloride	<0.012	mg/kg	0.061	0.012	1	10/28/21 08:45	10/29/21 16:12	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.12	0.026	1	10/28/21 08:45	10/29/21 16:12	179601-23-1	
o-Xylene	<0.018	mg/kg	0.061	0.018	1	10/28/21 08:45	10/29/21 16:12	95-47-6	
Surrogates									
Toluene-d8 (S)	113	%	67-159		1	10/28/21 08:45	10/29/21 16:12	2037-26-5	
4-Bromofluorobenzene (S)	121	%	66-153		1	10/28/21 08:45	10/29/21 16:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	10/28/21 08:45	10/29/21 16:12	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	10.2	%	0.10	0.10	1		10/26/21 09:35		
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Sample: SB-12 (0-5) **Lab ID: 40235717023** Collected: 10/22/21 08:41 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.9	mg/kg	2.8	1.6	1	10/26/21 06:50	10/26/21 14:13	7440-38-2	
Barium	31.0	mg/kg	0.55	0.17	1	10/26/21 06:50	10/26/21 14:13	7440-39-3	
Cadmium	0.49J	mg/kg	0.55	0.15	1	10/26/21 06:50	10/26/21 14:13	7440-43-9	
Chromium	38.2	mg/kg	1.1	0.31	1	10/26/21 06:50	10/26/21 14:13	7440-47-3	
Lead	60.6	mg/kg	2.2	0.66	1	10/26/21 06:50	10/26/21 14:13	7439-92-1	
Selenium	<1.5	mg/kg	4.4	1.5	1	10/26/21 06:50	10/26/21 14:13	7782-49-2	
Silver	0.37J	mg/kg	1.1	0.34	1	10/26/21 06:50	10/26/21 14:13	7440-22-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-12 (0-5) **Lab ID: 40235717023** Collected: 10/22/21 08:41 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.040	0.011	1	11/02/21 12:22	11/03/21 11:12	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.14	mg/kg	0.46	0.14	2	11/01/21 13:48	11/02/21 19:46	83-32-9	
Acenaphthylene	<0.14	mg/kg	0.46	0.14	2	11/01/21 13:48	11/02/21 19:46	208-96-8	
Anthracene	0.083J	mg/kg	0.21	0.062	2	11/01/21 13:48	11/02/21 19:46	120-12-7	
Benzo(a)anthracene	0.87	mg/kg	0.20	0.060	2	11/01/21 13:48	11/02/21 19:46	56-55-3	
Benzo(a)pyrene	1.3	mg/kg	0.20	0.059	2	11/01/21 13:48	11/02/21 19:46	50-32-8	
Benzo(b)fluoranthene	2.1	mg/kg	0.22	0.067	2	11/01/21 13:48	11/02/21 19:46	205-99-2	
Benzo(g,h,i)perylene	1.6	mg/kg	0.34	0.10	2	11/01/21 13:48	11/02/21 19:46	191-24-2	
Benzo(k)fluoranthene	0.78	mg/kg	0.31	0.093	2	11/01/21 13:48	11/02/21 19:46	207-08-9	
Chrysene	1.4	mg/kg	0.19	0.058	2	11/01/21 13:48	11/02/21 19:46	218-01-9	
Dibenz(a,h)anthracene	0.24J	mg/kg	0.35	0.11	2	11/01/21 13:48	11/02/21 19:46	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.21	mg/kg	0.70	0.21	2	11/01/21 13:48	11/02/21 19:46	123-91-1	
Fluoranthene	2.7	mg/kg	0.18	0.055	2	11/01/21 13:48	11/02/21 19:46	206-44-0	
Fluorene	<0.046	mg/kg	0.15	0.046	2	11/01/21 13:48	11/02/21 19:46	86-73-7	
Indeno(1,2,3-cd)pyrene	1.4	mg/kg	0.28	0.084	2	11/01/21 13:48	11/02/21 19:46	193-39-5	
1-Methylnaphthalene	<0.11	mg/kg	0.37	0.11	2	11/01/21 13:48	11/02/21 19:46	90-12-0	D3
2-Methylnaphthalene	<0.10	mg/kg	0.34	0.10	2	11/01/21 13:48	11/02/21 19:46	91-57-6	
Naphthalene	<0.14	mg/kg	0.45	0.14	2	11/01/21 13:48	11/02/21 19:46	91-20-3	
Phenanthrene	0.99	mg/kg	0.17	0.050	2	11/01/21 13:48	11/02/21 19:46	85-01-8	
Pyrene	2.5	mg/kg	0.29	0.086	2	11/01/21 13:48	11/02/21 19:46	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	40-96		2	11/01/21 13:48	11/02/21 19:46	4165-60-0	
2-Fluorobiphenyl (S)	69	%	14-110		2	11/01/21 13:48	11/02/21 19:46	321-60-8	
Terphenyl-d14 (S)	78	%	10-121		2	11/01/21 13:48	11/02/21 19:46	1718-51-0	
Phenol-d6 (S)	63	%	14-104		2	11/01/21 13:48	11/02/21 19:46	13127-88-3	
2-Fluorophenol (S)	49	%	10-112		2	11/01/21 13:48	11/02/21 19:46	367-12-4	
2,4,6-Tribromophenol (S)	31	%	10-128		2	11/01/21 13:48	11/02/21 19:46	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.016	mg/kg	0.027	0.016	1	10/28/21 08:45	10/29/21 16:32	71-43-2	
Bromobenzene	<0.026	mg/kg	0.067	0.026	1	10/28/21 08:45	10/29/21 16:32	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.067	0.018	1	10/28/21 08:45	10/29/21 16:32	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.067	0.016	1	10/28/21 08:45	10/29/21 16:32	75-27-4	
Bromoform	<0.29	mg/kg	0.33	0.29	1	10/28/21 08:45	10/29/21 16:32	75-25-2	
Bromomethane	<0.094	mg/kg	0.33	0.094	1	10/28/21 08:45	10/29/21 16:32	74-83-9	
n-Butylbenzene	<0.031	mg/kg	0.067	0.031	1	10/28/21 08:45	10/29/21 16:32	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.067	0.016	1	10/28/21 08:45	10/29/21 16:32	135-98-8	
tert-Butylbenzene	<0.021	mg/kg	0.067	0.021	1	10/28/21 08:45	10/29/21 16:32	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.067	0.015	1	10/28/21 08:45	10/29/21 16:32	56-23-5	
Chlorobenzene	<0.0080	mg/kg	0.067	0.0080	1	10/28/21 08:45	10/29/21 16:32	108-90-7	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-12 (0-5) **Lab ID: 40235717023** Collected: 10/22/21 08:41 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.028	mg/kg	0.33	0.028	1	10/28/21 08:45	10/29/21 16:32	75-00-3	
Chloroform	<0.048	mg/kg	0.33	0.048	1	10/28/21 08:45	10/29/21 16:32	67-66-3	
Chloromethane	<0.025	mg/kg	0.067	0.025	1	10/28/21 08:45	10/29/21 16:32	74-87-3	
2-Chlorotoluene	<0.022	mg/kg	0.067	0.022	1	10/28/21 08:45	10/29/21 16:32	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.067	0.025	1	10/28/21 08:45	10/29/21 16:32	106-43-4	
1,2-Dibromo-3-chloropropane	<0.052	mg/kg	0.33	0.052	1	10/28/21 08:45	10/29/21 16:32	96-12-8	
Dibromochloromethane	<0.23	mg/kg	0.33	0.23	1	10/28/21 08:45	10/29/21 16:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.067	0.018	1	10/28/21 08:45	10/29/21 16:32	106-93-4	
Dibromomethane	<0.020	mg/kg	0.067	0.020	1	10/28/21 08:45	10/29/21 16:32	74-95-3	
1,2-Dichlorobenzene	<0.021	mg/kg	0.067	0.021	1	10/28/21 08:45	10/29/21 16:32	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.067	0.018	1	10/28/21 08:45	10/29/21 16:32	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.067	0.018	1	10/28/21 08:45	10/29/21 16:32	106-46-7	
Dichlorodifluoromethane	<0.029	mg/kg	0.067	0.029	1	10/28/21 08:45	10/29/21 16:32	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.067	0.017	1	10/28/21 08:45	10/29/21 16:32	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.067	0.015	1	10/28/21 08:45	10/29/21 16:32	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.067	0.022	1	10/28/21 08:45	10/29/21 16:32	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.067	0.014	1	10/28/21 08:45	10/29/21 16:32	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.067	0.014	1	10/28/21 08:45	10/29/21 16:32	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.067	0.016	1	10/28/21 08:45	10/29/21 16:32	78-87-5	
1,3-Dichloropropane	<0.015	mg/kg	0.067	0.015	1	10/28/21 08:45	10/29/21 16:32	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.067	0.018	1	10/28/21 08:45	10/29/21 16:32	594-20-7	
1,1-Dichloropropene	<0.022	mg/kg	0.067	0.022	1	10/28/21 08:45	10/29/21 16:32	563-58-6	
cis-1,3-Dichloropropene	<0.044	mg/kg	0.33	0.044	1	10/28/21 08:45	10/29/21 16:32	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.33	0.19	1	10/28/21 08:45	10/29/21 16:32	10061-02-6	
Diisopropyl ether	<0.017	mg/kg	0.067	0.017	1	10/28/21 08:45	10/29/21 16:32	108-20-3	
Ethylbenzene	<0.016	mg/kg	0.067	0.016	1	10/28/21 08:45	10/29/21 16:32	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.33	0.13	1	10/28/21 08:45	10/29/21 16:32	87-68-3	
Isopropylbenzene (Cumene)	<0.018	mg/kg	0.067	0.018	1	10/28/21 08:45	10/29/21 16:32	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.067	0.020	1	10/28/21 08:45	10/29/21 16:32	99-87-6	
Methylene Chloride	<0.019	mg/kg	0.067	0.019	1	10/28/21 08:45	10/29/21 16:32	75-09-2	
Methyl-tert-butyl ether	<0.020	mg/kg	0.067	0.020	1	10/28/21 08:45	10/29/21 16:32	1634-04-4	
Naphthalene	<0.021	mg/kg	0.33	0.021	1	10/28/21 08:45	10/29/21 16:32	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.067	0.016	1	10/28/21 08:45	10/29/21 16:32	103-65-1	
Styrene	<0.017	mg/kg	0.067	0.017	1	10/28/21 08:45	10/29/21 16:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.067	0.016	1	10/28/21 08:45	10/29/21 16:32	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.024	mg/kg	0.067	0.024	1	10/28/21 08:45	10/29/21 16:32	79-34-5	
Tetrachloroethene	<0.026	mg/kg	0.067	0.026	1	10/28/21 08:45	10/29/21 16:32	127-18-4	
Toluene	<0.017	mg/kg	0.067	0.017	1	10/28/21 08:45	10/29/21 16:32	108-88-3	
1,2,3-Trichlorobenzene	<0.074	mg/kg	0.33	0.074	1	10/28/21 08:45	10/29/21 16:32	87-61-6	
1,2,4-Trichlorobenzene	<0.055	mg/kg	0.33	0.055	1	10/28/21 08:45	10/29/21 16:32	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.067	0.017	1	10/28/21 08:45	10/29/21 16:32	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.067	0.024	1	10/28/21 08:45	10/29/21 16:32	79-00-5	
Trichloroethene	<0.025	mg/kg	0.067	0.025	1	10/28/21 08:45	10/29/21 16:32	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.067	0.019	1	10/28/21 08:45	10/29/21 16:32	75-69-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-12 (0-5) **Lab ID: 40235717023** Collected: 10/22/21 08:41 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.032	mg/kg	0.067	0.032	1	10/28/21 08:45	10/29/21 16:32	96-18-4	
1,2,4-Trimethylbenzene	<0.020	mg/kg	0.067	0.020	1	10/28/21 08:45	10/29/21 16:32	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.067	0.021	1	10/28/21 08:45	10/29/21 16:32	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.067	0.013	1	10/28/21 08:45	10/29/21 16:32	75-01-4	
m&p-Xylene	<0.028	mg/kg	0.13	0.028	1	10/28/21 08:45	10/29/21 16:32	179601-23-1	
o-Xylene	<0.020	mg/kg	0.067	0.020	1	10/28/21 08:45	10/29/21 16:32	95-47-6	
Surrogates									
Toluene-d8 (S)	123	%	67-159		1	10/28/21 08:45	10/29/21 16:32	2037-26-5	
4-Bromofluorobenzene (S)	127	%	66-153		1	10/28/21 08:45	10/29/21 16:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	121	%	82-158		1	10/28/21 08:45	10/29/21 16:32	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	14.4	%	0.10	0.10	1		10/26/21 09:35		

Sample: SB-12 (15-18) **Lab ID: 40235717024** Collected: 10/22/21 08:55 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	1.9J	mg/kg	2.9	1.7	1	10/26/21 06:50	10/26/21 14:16	7440-38-2	
Barium	44.0	mg/kg	0.58	0.17	1	10/26/21 06:50	10/26/21 14:16	7440-39-3	
Cadmium	0.20J	mg/kg	0.58	0.15	1	10/26/21 06:50	10/26/21 14:16	7440-43-9	
Chromium	26.3	mg/kg	1.2	0.32	1	10/26/21 06:50	10/26/21 14:16	7440-47-3	
Lead	5.0	mg/kg	2.3	0.69	1	10/26/21 06:50	10/26/21 14:16	7439-92-1	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/26/21 06:50	10/26/21 14:16	7782-49-2	
Silver	<0.36	mg/kg	1.2	0.36	1	10/26/21 06:50	10/26/21 14:16	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 12:22	11/03/21 11:14	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.070	mg/kg	0.23	0.070	1	11/01/21 13:48	11/02/21 12:26	83-32-9	
Acenaphthylene	<0.070	mg/kg	0.23	0.070	1	11/01/21 13:48	11/02/21 12:26	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 12:26	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 12:26	56-55-3	
Benzo(a)pyrene	<0.030	mg/kg	0.099	0.030	1	11/01/21 13:48	11/02/21 12:26	50-32-8	
Benzo(b)fluoranthene	<0.034	mg/kg	0.11	0.034	1	11/01/21 13:48	11/02/21 12:26	205-99-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-12 (15-18) **Lab ID: 40235717024** Collected: 10/22/21 08:55 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Benzo(g,h,i)perylene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 12:26	191-24-2	
Benzo(k)fluoranthene	<0.047	mg/kg	0.16	0.047	1	11/01/21 13:48	11/02/21 12:26	207-08-9	
Chrysene	<0.029	mg/kg	0.098	0.029	1	11/01/21 13:48	11/02/21 12:26	218-01-9	
Dibenz(a,h)anthracene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 12:26	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.35	0.11	1	11/01/21 13:48	11/02/21 12:26	123-91-1	
Fluoranthene	<0.028	mg/kg	0.093	0.028	1	11/01/21 13:48	11/02/21 12:26	206-44-0	
Fluorene	<0.023	mg/kg	0.077	0.023	1	11/01/21 13:48	11/02/21 12:26	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.042	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 12:26	193-39-5	
1-Methylnaphthalene	<0.056	mg/kg	0.19	0.056	1	11/01/21 13:48	11/02/21 12:26	90-12-0	
2-Methylnaphthalene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 12:26	91-57-6	
Naphthalene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 12:26	91-20-3	
Phenanthrene	<0.025	mg/kg	0.084	0.025	1	11/01/21 13:48	11/02/21 12:26	85-01-8	
Pyrene	<0.044	mg/kg	0.15	0.044	1	11/01/21 13:48	11/02/21 12:26	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	82	%	40-96		1	11/01/21 13:48	11/02/21 12:26	4165-60-0	
2-Fluorobiphenyl (S)	82	%	14-110		1	11/01/21 13:48	11/02/21 12:26	321-60-8	
Terphenyl-d14 (S)	92	%	10-121		1	11/01/21 13:48	11/02/21 12:26	1718-51-0	
Phenol-d6 (S)	79	%	14-104		1	11/01/21 13:48	11/02/21 12:26	13127-88-3	
2-Fluorophenol (S)	78	%	10-112		1	11/01/21 13:48	11/02/21 12:26	367-12-4	
2,4,6-Tribromophenol (S)	85	%	10-128		1	11/01/21 13:48	11/02/21 12:26	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.016	mg/kg	0.027	0.016	1	10/28/21 08:45	10/29/21 16:51	71-43-2	
Bromobenzene	<0.026	mg/kg	0.068	0.026	1	10/28/21 08:45	10/29/21 16:51	108-86-1	
Bromochloromethane	<0.019	mg/kg	0.068	0.019	1	10/28/21 08:45	10/29/21 16:51	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.068	0.016	1	10/28/21 08:45	10/29/21 16:51	75-27-4	
Bromoform	<0.30	mg/kg	0.34	0.30	1	10/28/21 08:45	10/29/21 16:51	75-25-2	
Bromomethane	<0.095	mg/kg	0.34	0.095	1	10/28/21 08:45	10/29/21 16:51	74-83-9	
n-Butylbenzene	<0.031	mg/kg	0.068	0.031	1	10/28/21 08:45	10/29/21 16:51	104-51-8	
sec-Butylbenzene	<0.017	mg/kg	0.068	0.017	1	10/28/21 08:45	10/29/21 16:51	135-98-8	
tert-Butylbenzene	<0.021	mg/kg	0.068	0.021	1	10/28/21 08:45	10/29/21 16:51	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.068	0.015	1	10/28/21 08:45	10/29/21 16:51	56-23-5	
Chlorobenzene	<0.0081	mg/kg	0.068	0.0081	1	10/28/21 08:45	10/29/21 16:51	108-90-7	
Chloroethane	<0.029	mg/kg	0.34	0.029	1	10/28/21 08:45	10/29/21 16:51	75-00-3	
Chloroform	<0.048	mg/kg	0.34	0.048	1	10/28/21 08:45	10/29/21 16:51	67-66-3	
Chloromethane	<0.026	mg/kg	0.068	0.026	1	10/28/21 08:45	10/29/21 16:51	74-87-3	
2-Chlorotoluene	<0.022	mg/kg	0.068	0.022	1	10/28/21 08:45	10/29/21 16:51	95-49-8	
4-Chlorotoluene	<0.026	mg/kg	0.068	0.026	1	10/28/21 08:45	10/29/21 16:51	106-43-4	
1,2-Dibromo-3-chloropropane	<0.053	mg/kg	0.34	0.053	1	10/28/21 08:45	10/29/21 16:51	96-12-8	
Dibromochloromethane	<0.23	mg/kg	0.34	0.23	1	10/28/21 08:45	10/29/21 16:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.019	mg/kg	0.068	0.019	1	10/28/21 08:45	10/29/21 16:51	106-93-4	
Dibromomethane	<0.020	mg/kg	0.068	0.020	1	10/28/21 08:45	10/29/21 16:51	74-95-3	
1,2-Dichlorobenzene	<0.021	mg/kg	0.068	0.021	1	10/28/21 08:45	10/29/21 16:51	95-50-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-12 (15-18) **Lab ID: 40235717024** Collected: 10/22/21 08:55 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.019	mg/kg	0.068	0.019	1	10/28/21 08:45	10/29/21 16:51	541-73-1	
1,4-Dichlorobenzene	<0.019	mg/kg	0.068	0.019	1	10/28/21 08:45	10/29/21 16:51	106-46-7	
Dichlorodifluoromethane	<0.029	mg/kg	0.068	0.029	1	10/28/21 08:45	10/29/21 16:51	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.068	0.017	1	10/28/21 08:45	10/29/21 16:51	75-34-3	
1,2-Dichloroethane	<0.016	mg/kg	0.068	0.016	1	10/28/21 08:45	10/29/21 16:51	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.068	0.022	1	10/28/21 08:45	10/29/21 16:51	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.068	0.014	1	10/28/21 08:45	10/29/21 16:51	156-59-2	
trans-1,2-Dichloroethene	<0.015	mg/kg	0.068	0.015	1	10/28/21 08:45	10/29/21 16:51	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.068	0.016	1	10/28/21 08:45	10/29/21 16:51	78-87-5	
1,3-Dichloropropane	<0.015	mg/kg	0.068	0.015	1	10/28/21 08:45	10/29/21 16:51	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.068	0.018	1	10/28/21 08:45	10/29/21 16:51	594-20-7	
1,1-Dichloropropene	<0.022	mg/kg	0.068	0.022	1	10/28/21 08:45	10/29/21 16:51	563-58-6	
cis-1,3-Dichloropropene	<0.045	mg/kg	0.34	0.045	1	10/28/21 08:45	10/29/21 16:51	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.34	0.19	1	10/28/21 08:45	10/29/21 16:51	10061-02-6	
Diisopropyl ether	<0.017	mg/kg	0.068	0.017	1	10/28/21 08:45	10/29/21 16:51	108-20-3	
Ethylbenzene	<0.016	mg/kg	0.068	0.016	1	10/28/21 08:45	10/29/21 16:51	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.34	0.13	1	10/28/21 08:45	10/29/21 16:51	87-68-3	
Isopropylbenzene (Cumene)	<0.018	mg/kg	0.068	0.018	1	10/28/21 08:45	10/29/21 16:51	98-82-8	
p-Isopropyltoluene	<0.021	mg/kg	0.068	0.021	1	10/28/21 08:45	10/29/21 16:51	99-87-6	
Methylene Chloride	<0.019	mg/kg	0.068	0.019	1	10/28/21 08:45	10/29/21 16:51	75-09-2	
Methyl-tert-butyl ether	<0.020	mg/kg	0.068	0.020	1	10/28/21 08:45	10/29/21 16:51	1634-04-4	
Naphthalene	<0.021	mg/kg	0.34	0.021	1	10/28/21 08:45	10/29/21 16:51	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.068	0.016	1	10/28/21 08:45	10/29/21 16:51	103-65-1	
Styrene	<0.017	mg/kg	0.068	0.017	1	10/28/21 08:45	10/29/21 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.068	0.016	1	10/28/21 08:45	10/29/21 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.068	0.025	1	10/28/21 08:45	10/29/21 16:51	79-34-5	
Tetrachloroethene	<0.026	mg/kg	0.068	0.026	1	10/28/21 08:45	10/29/21 16:51	127-18-4	
Toluene	<0.017	mg/kg	0.068	0.017	1	10/28/21 08:45	10/29/21 16:51	108-88-3	
1,2,3-Trichlorobenzene	<0.075	mg/kg	0.34	0.075	1	10/28/21 08:45	10/29/21 16:51	87-61-6	
1,2,4-Trichlorobenzene	<0.056	mg/kg	0.34	0.056	1	10/28/21 08:45	10/29/21 16:51	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.068	0.017	1	10/28/21 08:45	10/29/21 16:51	71-55-6	
1,1,2-Trichloroethane	<0.025	mg/kg	0.068	0.025	1	10/28/21 08:45	10/29/21 16:51	79-00-5	
Trichloroethene	<0.025	mg/kg	0.068	0.025	1	10/28/21 08:45	10/29/21 16:51	79-01-6	
Trichlorofluoromethane	<0.020	mg/kg	0.068	0.020	1	10/28/21 08:45	10/29/21 16:51	75-69-4	
1,2,3-Trichloropropane	<0.033	mg/kg	0.068	0.033	1	10/28/21 08:45	10/29/21 16:51	96-18-4	
1,2,4-Trimethylbenzene	<0.020	mg/kg	0.068	0.020	1	10/28/21 08:45	10/29/21 16:51	95-63-6	
1,3,5-Trimethylbenzene	<0.022	mg/kg	0.068	0.022	1	10/28/21 08:45	10/29/21 16:51	108-67-8	
Vinyl chloride	<0.014	mg/kg	0.068	0.014	1	10/28/21 08:45	10/29/21 16:51	75-01-4	
m&p-Xylene	<0.029	mg/kg	0.14	0.029	1	10/28/21 08:45	10/29/21 16:51	179601-23-1	
o-Xylene	<0.020	mg/kg	0.068	0.020	1	10/28/21 08:45	10/29/21 16:51	95-47-6	
Surrogates									
Toluene-d8 (S)	125	%	67-159		1	10/28/21 08:45	10/29/21 16:51	2037-26-5	
4-Bromofluorobenzene (S)	126	%	66-153		1	10/28/21 08:45	10/29/21 16:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	118	%	82-158		1	10/28/21 08:45	10/29/21 16:51	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-12 (15-18) **Lab ID: 40235717024** Collected: 10/22/21 08:55 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	15.0	%	0.10	0.10	1		10/26/21 09:35		

Sample: SB-13 (5-10) **Lab ID: 40235717025** Collected: 10/22/21 09:50 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay									
Arsenic	6.0	mg/kg	3.1	1.8	1	10/26/21 06:50	10/26/21 14:23	7440-38-2	
Barium	68.3	mg/kg	0.61	0.18	1	10/26/21 06:50	10/26/21 14:23	7440-39-3	
Cadmium	<0.16	mg/kg	0.61	0.16	1	10/26/21 06:50	10/26/21 14:23	7440-43-9	
Chromium	24.9	mg/kg	1.2	0.34	1	10/26/21 06:50	10/26/21 14:23	7440-47-3	
Lead	12.4	mg/kg	2.4	0.73	1	10/26/21 06:50	10/26/21 14:23	7439-92-1	
Selenium	<1.6	mg/kg	4.9	1.6	1	10/26/21 06:50	10/26/21 14:23	7782-49-2	
Silver	<0.38	mg/kg	1.2	0.38	1	10/26/21 06:50	10/26/21 14:23	7440-22-4	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471
Pace Analytical Services - Green Bay

Mercury	0.039J	mg/kg	0.042	0.012	1	11/02/21 12:22	11/03/21 11:16	7439-97-6	
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Acenaphthene	<0.073	mg/kg	0.24	0.073	1	11/01/21 13:48	11/02/21 12:47	83-32-9	
Acenaphthylene	<0.073	mg/kg	0.24	0.073	1	11/01/21 13:48	11/02/21 12:47	208-96-8	
Anthracene	<0.033	mg/kg	0.11	0.033	1	11/01/21 13:48	11/02/21 12:47	120-12-7	
Benzo(a)anthracene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/02/21 12:47	56-55-3	
Benzo(a)pyrene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 12:47	50-32-8	
Benzo(b)fluoranthene	<0.035	mg/kg	0.12	0.035	1	11/01/21 13:48	11/02/21 12:47	205-99-2	
Benzo(g,h,i)perylene	<0.054	mg/kg	0.18	0.054	1	11/01/21 13:48	11/02/21 12:47	191-24-2	
Benzo(k)fluoranthene	<0.049	mg/kg	0.16	0.049	1	11/01/21 13:48	11/02/21 12:47	207-08-9	
Chrysene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 12:47	218-01-9	
Dibenz(a,h)anthracene	<0.056	mg/kg	0.19	0.056	1	11/01/21 13:48	11/02/21 12:47	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.37	0.11	1	11/01/21 13:48	11/02/21 12:47	123-91-1	
Fluoranthene	<0.029	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 12:47	206-44-0	
Fluorene	<0.024	mg/kg	0.080	0.024	1	11/01/21 13:48	11/02/21 12:47	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.045	mg/kg	0.15	0.045	1	11/01/21 13:48	11/02/21 12:47	193-39-5	
1-Methylnaphthalene	<0.059	mg/kg	0.20	0.059	1	11/01/21 13:48	11/02/21 12:47	90-12-0	
2-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 12:47	91-57-6	
Naphthalene	<0.072	mg/kg	0.24	0.072	1	11/01/21 13:48	11/02/21 12:47	91-20-3	
Phenanthrene	<0.026	mg/kg	0.088	0.026	1	11/01/21 13:48	11/02/21 12:47	85-01-8	
Pyrene	<0.046	mg/kg	0.15	0.046	1	11/01/21 13:48	11/02/21 12:47	129-00-0	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-13 (5-10) **Lab ID: 40235717025** Collected: 10/22/21 09:50 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	73	%	40-96		1	11/01/21 13:48	11/02/21 12:47	4165-60-0	
2-Fluorobiphenyl (S)	73	%	14-110		1	11/01/21 13:48	11/02/21 12:47	321-60-8	
Terphenyl-d14 (S)	80	%	10-121		1	11/01/21 13:48	11/02/21 12:47	1718-51-0	
Phenol-d6 (S)	74	%	14-104		1	11/01/21 13:48	11/02/21 12:47	13127-88-3	
2-Fluorophenol (S)	78	%	10-112		1	11/01/21 13:48	11/02/21 12:47	367-12-4	
2,4,6-Tribromophenol (S)	76	%	10-128		1	11/01/21 13:48	11/02/21 12:47	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.017	mg/kg	0.029	0.017	1	10/28/21 08:45	10/29/21 17:11	71-43-2	
Bromobenzene	<0.029	mg/kg	0.073	0.029	1	10/28/21 08:45	10/29/21 17:11	108-86-1	
Bromochloromethane	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	74-97-5	
Bromodichloromethane	<0.017	mg/kg	0.073	0.017	1	10/28/21 08:45	10/29/21 17:11	75-27-4	
Bromoform	<0.32	mg/kg	0.37	0.32	1	10/28/21 08:45	10/29/21 17:11	75-25-2	
Bromomethane	<0.10	mg/kg	0.37	0.10	1	10/28/21 08:45	10/29/21 17:11	74-83-9	
n-Butylbenzene	<0.034	mg/kg	0.073	0.034	1	10/28/21 08:45	10/29/21 17:11	104-51-8	
sec-Butylbenzene	<0.018	mg/kg	0.073	0.018	1	10/28/21 08:45	10/29/21 17:11	135-98-8	
tert-Butylbenzene	<0.023	mg/kg	0.073	0.023	1	10/28/21 08:45	10/29/21 17:11	98-06-6	
Carbon tetrachloride	<0.016	mg/kg	0.073	0.016	1	10/28/21 08:45	10/29/21 17:11	56-23-5	
Chlorobenzene	<0.0088	mg/kg	0.073	0.0088	1	10/28/21 08:45	10/29/21 17:11	108-90-7	
Chloroethane	<0.031	mg/kg	0.37	0.031	1	10/28/21 08:45	10/29/21 17:11	75-00-3	
Chloroform	<0.053	mg/kg	0.37	0.053	1	10/28/21 08:45	10/29/21 17:11	67-66-3	
Chloromethane	<0.028	mg/kg	0.073	0.028	1	10/28/21 08:45	10/29/21 17:11	74-87-3	
2-Chlorotoluene	<0.024	mg/kg	0.073	0.024	1	10/28/21 08:45	10/29/21 17:11	95-49-8	
4-Chlorotoluene	<0.028	mg/kg	0.073	0.028	1	10/28/21 08:45	10/29/21 17:11	106-43-4	
1,2-Dibromo-3-chloropropane	<0.057	mg/kg	0.37	0.057	1	10/28/21 08:45	10/29/21 17:11	96-12-8	
Dibromochloromethane	<0.25	mg/kg	0.37	0.25	1	10/28/21 08:45	10/29/21 17:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	106-93-4	
Dibromomethane	<0.022	mg/kg	0.073	0.022	1	10/28/21 08:45	10/29/21 17:11	74-95-3	
1,2-Dichlorobenzene	<0.023	mg/kg	0.073	0.023	1	10/28/21 08:45	10/29/21 17:11	95-50-1	
1,3-Dichlorobenzene	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	541-73-1	
1,4-Dichlorobenzene	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	106-46-7	
Dichlorodifluoromethane	<0.032	mg/kg	0.073	0.032	1	10/28/21 08:45	10/29/21 17:11	75-71-8	
1,1-Dichloroethane	<0.019	mg/kg	0.073	0.019	1	10/28/21 08:45	10/29/21 17:11	75-34-3	
1,2-Dichloroethane	<0.017	mg/kg	0.073	0.017	1	10/28/21 08:45	10/29/21 17:11	107-06-2	
1,1-Dichloroethene	<0.024	mg/kg	0.073	0.024	1	10/28/21 08:45	10/29/21 17:11	75-35-4	
cis-1,2-Dichloroethene	<0.016	mg/kg	0.073	0.016	1	10/28/21 08:45	10/29/21 17:11	156-59-2	
trans-1,2-Dichloroethene	<0.016	mg/kg	0.073	0.016	1	10/28/21 08:45	10/29/21 17:11	156-60-5	
1,2-Dichloropropane	<0.017	mg/kg	0.073	0.017	1	10/28/21 08:45	10/29/21 17:11	78-87-5	
1,3-Dichloropropane	<0.016	mg/kg	0.073	0.016	1	10/28/21 08:45	10/29/21 17:11	142-28-9	
2,2-Dichloropropane	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	594-20-7	
1,1-Dichloropropene	<0.024	mg/kg	0.073	0.024	1	10/28/21 08:45	10/29/21 17:11	563-58-6	
cis-1,3-Dichloropropene	<0.048	mg/kg	0.37	0.048	1	10/28/21 08:45	10/29/21 17:11	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-13 (5-10) **Lab ID: 40235717025** Collected: 10/22/21 09:50 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.21	mg/kg	0.37	0.21	1	10/28/21 08:45	10/29/21 17:11	10061-02-6	
Diisopropyl ether	<0.018	mg/kg	0.073	0.018	1	10/28/21 08:45	10/29/21 17:11	108-20-3	
Ethylbenzene	<0.017	mg/kg	0.073	0.017	1	10/28/21 08:45	10/29/21 17:11	100-41-4	
Hexachloro-1,3-butadiene	<0.15	mg/kg	0.37	0.15	1	10/28/21 08:45	10/29/21 17:11	87-68-3	
Isopropylbenzene (Cumene)	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	98-82-8	
p-Isopropyltoluene	<0.022	mg/kg	0.073	0.022	1	10/28/21 08:45	10/29/21 17:11	99-87-6	
Methylene Chloride	<0.020	mg/kg	0.073	0.020	1	10/28/21 08:45	10/29/21 17:11	75-09-2	
Methyl-tert-butyl ether	<0.022	mg/kg	0.073	0.022	1	10/28/21 08:45	10/29/21 17:11	1634-04-4	
Naphthalene	<0.023	mg/kg	0.37	0.023	1	10/28/21 08:45	10/29/21 17:11	91-20-3	
n-Propylbenzene	<0.018	mg/kg	0.073	0.018	1	10/28/21 08:45	10/29/21 17:11	103-65-1	
Styrene	<0.019	mg/kg	0.073	0.019	1	10/28/21 08:45	10/29/21 17:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.018	mg/kg	0.073	0.018	1	10/28/21 08:45	10/29/21 17:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.027	mg/kg	0.073	0.027	1	10/28/21 08:45	10/29/21 17:11	79-34-5	
Tetrachloroethene	<0.028	mg/kg	0.073	0.028	1	10/28/21 08:45	10/29/21 17:11	127-18-4	
Toluene	<0.018	mg/kg	0.073	0.018	1	10/28/21 08:45	10/29/21 17:11	108-88-3	
1,2,3-Trichlorobenzene	<0.082	mg/kg	0.37	0.082	1	10/28/21 08:45	10/29/21 17:11	87-61-6	
1,2,4-Trichlorobenzene	<0.060	mg/kg	0.37	0.060	1	10/28/21 08:45	10/29/21 17:11	120-82-1	
1,1,1-Trichloroethane	<0.019	mg/kg	0.073	0.019	1	10/28/21 08:45	10/29/21 17:11	71-55-6	
1,1,2-Trichloroethane	<0.027	mg/kg	0.073	0.027	1	10/28/21 08:45	10/29/21 17:11	79-00-5	
Trichloroethene	<0.027	mg/kg	0.073	0.027	1	10/28/21 08:45	10/29/21 17:11	79-01-6	
Trichlorofluoromethane	<0.021	mg/kg	0.073	0.021	1	10/28/21 08:45	10/29/21 17:11	75-69-4	
1,2,3-Trichloropropane	<0.036	mg/kg	0.073	0.036	1	10/28/21 08:45	10/29/21 17:11	96-18-4	
1,2,4-Trimethylbenzene	<0.022	mg/kg	0.073	0.022	1	10/28/21 08:45	10/29/21 17:11	95-63-6	
1,3,5-Trimethylbenzene	<0.024	mg/kg	0.073	0.024	1	10/28/21 08:45	10/29/21 17:11	108-67-8	
Vinyl chloride	<0.015	mg/kg	0.073	0.015	1	10/28/21 08:45	10/29/21 17:11	75-01-4	
m&p-Xylene	<0.031	mg/kg	0.15	0.031	1	10/28/21 08:45	10/29/21 17:11	179601-23-1	
o-Xylene	<0.022	mg/kg	0.073	0.022	1	10/28/21 08:45	10/29/21 17:11	95-47-6	
Surrogates									
Toluene-d8 (S)	136	%	67-159		1	10/28/21 08:45	10/29/21 17:11	2037-26-5	
4-Bromofluorobenzene (S)	139	%	66-153		1	10/28/21 08:45	10/29/21 17:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	131	%	82-158		1	10/28/21 08:45	10/29/21 17:11	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.9	%	0.10	0.10	1		10/26/21 09:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-13 (10-15) **Lab ID: 40235717026** Collected: 10/22/21 10:00 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	4.0	mg/kg	2.8	1.6	1	10/26/21 06:50	10/26/21 14:25	7440-38-2	
Barium	42.6	mg/kg	0.55	0.17	1	10/26/21 06:50	10/26/21 14:25	7440-39-3	
Cadmium	0.19J	mg/kg	0.55	0.15	1	10/26/21 06:50	10/26/21 14:25	7440-43-9	
Chromium	13.0	mg/kg	1.1	0.31	1	10/26/21 06:50	10/26/21 14:25	7440-47-3	
Lead	10.0	mg/kg	2.2	0.66	1	10/26/21 06:50	10/26/21 14:25	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 06:50	10/26/21 14:25	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 06:50	10/26/21 14:25	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.040	0.011	1	11/02/21 12:22	11/03/21 11:19	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 13:08	83-32-9	
Acenaphthylene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 13:08	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 13:08	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 13:08	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 13:08	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	11/01/21 13:48	11/02/21 13:08	205-99-2	
Benzo(g,h,i)perylene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 13:08	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	11/01/21 13:48	11/02/21 13:08	207-08-9	
Chrysene	<0.029	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 13:08	218-01-9	
Dibenz(a,h)anthracene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 13:08	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.11	mg/kg	0.35	0.11	1	11/01/21 13:48	11/02/21 13:08	123-91-1	
Fluoranthene	<0.027	mg/kg	0.092	0.027	1	11/01/21 13:48	11/02/21 13:08	206-44-0	
Fluorene	<0.023	mg/kg	0.076	0.023	1	11/01/21 13:48	11/02/21 13:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.042	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 13:08	193-39-5	
1-Methylnaphthalene	<0.055	mg/kg	0.18	0.055	1	11/01/21 13:48	11/02/21 13:08	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 13:08	91-57-6	
Naphthalene	<0.068	mg/kg	0.23	0.068	1	11/01/21 13:48	11/02/21 13:08	91-20-3	
Phenanthrene	<0.025	mg/kg	0.083	0.025	1	11/01/21 13:48	11/02/21 13:08	85-01-8	
Pyrene	<0.043	mg/kg	0.14	0.043	1	11/01/21 13:48	11/02/21 13:08	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	76	%	40-96		1	11/01/21 13:48	11/02/21 13:08	4165-60-0	
2-Fluorobiphenyl (S)	70	%	14-110		1	11/01/21 13:48	11/02/21 13:08	321-60-8	
Terphenyl-d14 (S)	81	%	10-121		1	11/01/21 13:48	11/02/21 13:08	1718-51-0	
Phenol-d6 (S)	75	%	14-104		1	11/01/21 13:48	11/02/21 13:08	13127-88-3	
2-Fluorophenol (S)	76	%	10-112		1	11/01/21 13:48	11/02/21 13:08	367-12-4	
2,4,6-Tribromophenol (S)	82	%	10-128		1	11/01/21 13:48	11/02/21 13:08	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.016	mg/kg	0.027	0.016	1	10/28/21 08:45	10/29/21 17:30	71-43-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: **SB-13 (10-15)** Lab ID: **40235717026** Collected: 10/22/21 10:00 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.026	mg/kg	0.066	0.026	1	10/28/21 08:45	10/29/21 17:30	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	75-27-4	
Bromoform	<0.29	mg/kg	0.33	0.29	1	10/28/21 08:45	10/29/21 17:30	75-25-2	
Bromomethane	<0.093	mg/kg	0.33	0.093	1	10/28/21 08:45	10/29/21 17:30	74-83-9	
n-Butylbenzene	<0.030	mg/kg	0.066	0.030	1	10/28/21 08:45	10/29/21 17:30	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	135-98-8	
tert-Butylbenzene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 17:30	98-06-6	
Carbon tetrachloride	<0.015	mg/kg	0.066	0.015	1	10/28/21 08:45	10/29/21 17:30	56-23-5	
Chlorobenzene	<0.0079	mg/kg	0.066	0.0079	1	10/28/21 08:45	10/29/21 17:30	108-90-7	
Chloroethane	<0.028	mg/kg	0.33	0.028	1	10/28/21 08:45	10/29/21 17:30	75-00-3	
Chloroform	<0.047	mg/kg	0.33	0.047	1	10/28/21 08:45	10/29/21 17:30	67-66-3	
Chloromethane	<0.025	mg/kg	0.066	0.025	1	10/28/21 08:45	10/29/21 17:30	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 17:30	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.066	0.025	1	10/28/21 08:45	10/29/21 17:30	106-43-4	
1,2-Dibromo-3-chloropropane	<0.051	mg/kg	0.33	0.051	1	10/28/21 08:45	10/29/21 17:30	96-12-8	
Dibromochloromethane	<0.23	mg/kg	0.33	0.23	1	10/28/21 08:45	10/29/21 17:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	106-93-4	
Dibromomethane	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 17:30	74-95-3	
1,2-Dichlorobenzene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 17:30	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	106-46-7	
Dichlorodifluoromethane	<0.029	mg/kg	0.066	0.029	1	10/28/21 08:45	10/29/21 17:30	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 17:30	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.066	0.015	1	10/28/21 08:45	10/29/21 17:30	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.066	0.022	1	10/28/21 08:45	10/29/21 17:30	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 17:30	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 17:30	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 17:30	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 17:30	563-58-6	
cis-1,3-Dichloropropene	<0.044	mg/kg	0.33	0.044	1	10/28/21 08:45	10/29/21 17:30	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.33	0.19	1	10/28/21 08:45	10/29/21 17:30	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	108-20-3	
Ethylbenzene	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.33	0.13	1	10/28/21 08:45	10/29/21 17:30	87-68-3	
Isopropylbenzene (Cumene)	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 17:30	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 17:30	75-09-2	
Methyl-tert-butyl ether	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 17:30	1634-04-4	
Naphthalene	<0.021	mg/kg	0.33	0.021	1	10/28/21 08:45	10/29/21 17:30	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	103-65-1	
Styrene	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 17:30	100-42-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: **SB-13 (10-15)** Lab ID: **40235717026** Collected: 10/22/21 10:00 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 17:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.024	mg/kg	0.066	0.024	1	10/28/21 08:45	10/29/21 17:30	79-34-5	
Tetrachloroethene	<0.026	mg/kg	0.066	0.026	1	10/28/21 08:45	10/29/21 17:30	127-18-4	
Toluene	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 17:30	108-88-3	
1,2,3-Trichlorobenzene	<0.074	mg/kg	0.33	0.074	1	10/28/21 08:45	10/29/21 17:30	87-61-6	
1,2,4-Trichlorobenzene	<0.055	mg/kg	0.33	0.055	1	10/28/21 08:45	10/29/21 17:30	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 17:30	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.066	0.024	1	10/28/21 08:45	10/29/21 17:30	79-00-5	
Trichloroethene	<0.025	mg/kg	0.066	0.025	1	10/28/21 08:45	10/29/21 17:30	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.066	0.019	1	10/28/21 08:45	10/29/21 17:30	75-69-4	
1,2,3-Trichloropropane	<0.032	mg/kg	0.066	0.032	1	10/28/21 08:45	10/29/21 17:30	96-18-4	
1,2,4-Trimethylbenzene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 17:30	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 17:30	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.066	0.013	1	10/28/21 08:45	10/29/21 17:30	75-01-4	
m&p-Xylene	<0.028	mg/kg	0.13	0.028	1	10/28/21 08:45	10/29/21 17:30	179601-23-1	
o-Xylene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 17:30	95-47-6	
Surrogates									
Toluene-d8 (S)	126	%	67-159		1	10/28/21 08:45	10/29/21 17:30	2037-26-5	
4-Bromofluorobenzene (S)	130	%	66-153		1	10/28/21 08:45	10/29/21 17:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	124	%	82-158		1	10/28/21 08:45	10/29/21 17:30	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	14.0	%	0.10	0.10	1		10/26/21 09:35		
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Sample: **SB-14 (0-5)** Lab ID: **40235717027** Collected: 10/22/21 11:27 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.8	mg/kg	2.7	1.6	1	10/26/21 06:50	10/26/21 14:28	7440-38-2	
Barium	34.6	mg/kg	0.54	0.16	1	10/26/21 06:50	10/26/21 14:28	7440-39-3	
Cadmium	0.24J	mg/kg	0.54	0.14	1	10/26/21 06:50	10/26/21 14:28	7440-43-9	
Chromium	10.5	mg/kg	1.1	0.30	1	10/26/21 06:50	10/26/21 14:28	7440-47-3	
Lead	6.0	mg/kg	2.2	0.65	1	10/26/21 06:50	10/26/21 14:28	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 06:50	10/26/21 14:28	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/26/21 06:50	10/26/21 14:28	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-14 (0-5) **Lab ID: 40235717027** Collected: 10/22/21 11:27 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.037	0.010	1	11/02/21 12:22	11/03/21 11:21	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 13:29	83-32-9	
Acenaphthylene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 13:29	208-96-8	
Anthracene	<0.030	mg/kg	0.099	0.030	1	11/01/21 13:48	11/02/21 13:29	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.096	0.029	1	11/01/21 13:48	11/02/21 13:29	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.093	0.028	1	11/01/21 13:48	11/02/21 13:29	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/02/21 13:29	205-99-2	
Benzo(g,h,i)perylene	<0.049	mg/kg	0.16	0.049	1	11/01/21 13:48	11/02/21 13:29	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	11/01/21 13:48	11/02/21 13:29	207-08-9	
Chrysene	<0.028	mg/kg	0.093	0.028	1	11/01/21 13:48	11/02/21 13:29	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 13:29	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	11/01/21 13:48	11/02/21 13:29	123-91-1	
Fluoranthene	<0.026	mg/kg	0.088	0.026	1	11/01/21 13:48	11/02/21 13:29	206-44-0	
Fluorene	<0.022	mg/kg	0.073	0.022	1	11/01/21 13:48	11/02/21 13:29	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.040	mg/kg	0.13	0.040	1	11/01/21 13:48	11/02/21 13:29	193-39-5	
1-Methylnaphthalene	<0.053	mg/kg	0.18	0.053	1	11/01/21 13:48	11/02/21 13:29	90-12-0	
2-Methylnaphthalene	<0.048	mg/kg	0.16	0.048	1	11/01/21 13:48	11/02/21 13:29	91-57-6	
Naphthalene	<0.065	mg/kg	0.22	0.065	1	11/01/21 13:48	11/02/21 13:29	91-20-3	
Phenanthrene	<0.024	mg/kg	0.080	0.024	1	11/01/21 13:48	11/02/21 13:29	85-01-8	
Pyrene	<0.041	mg/kg	0.14	0.041	1	11/01/21 13:48	11/02/21 13:29	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	40-96		1	11/01/21 13:48	11/02/21 13:29	4165-60-0	
2-Fluorobiphenyl (S)	67	%	14-110		1	11/01/21 13:48	11/02/21 13:29	321-60-8	
Terphenyl-d14 (S)	75	%	10-121		1	11/01/21 13:48	11/02/21 13:29	1718-51-0	
Phenol-d6 (S)	73	%	14-104		1	11/01/21 13:48	11/02/21 13:29	13127-88-3	
2-Fluorophenol (S)	77	%	10-112		1	11/01/21 13:48	11/02/21 13:29	367-12-4	
2,4,6-Tribromophenol (S)	70	%	10-128		1	11/01/21 13:48	11/02/21 13:29	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.015	mg/kg	0.025	0.015	1	10/28/21 08:45	10/29/21 17:50	71-43-2	
Bromobenzene	<0.024	mg/kg	0.062	0.024	1	10/28/21 08:45	10/29/21 17:50	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	75-27-4	
Bromoform	<0.27	mg/kg	0.31	0.27	1	10/28/21 08:45	10/29/21 17:50	75-25-2	
Bromomethane	<0.086	mg/kg	0.31	0.086	1	10/28/21 08:45	10/29/21 17:50	74-83-9	
n-Butylbenzene	<0.028	mg/kg	0.062	0.028	1	10/28/21 08:45	10/29/21 17:50	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	135-98-8	
tert-Butylbenzene	<0.019	mg/kg	0.062	0.019	1	10/28/21 08:45	10/29/21 17:50	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.062	0.014	1	10/28/21 08:45	10/29/21 17:50	56-23-5	
Chlorobenzene	<0.0074	mg/kg	0.062	0.0074	1	10/28/21 08:45	10/29/21 17:50	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-14 (0-5) **Lab ID: 40235717027** Collected: 10/22/21 11:27 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/28/21 08:45	10/29/21 17:50	75-00-3	
Chloroform	<0.044	mg/kg	0.31	0.044	1	10/28/21 08:45	10/29/21 17:50	67-66-3	
Chloromethane	<0.023	mg/kg	0.062	0.023	1	10/28/21 08:45	10/29/21 17:50	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.062	0.020	1	10/28/21 08:45	10/29/21 17:50	95-49-8	
4-Chlorotoluene	<0.023	mg/kg	0.062	0.023	1	10/28/21 08:45	10/29/21 17:50	106-43-4	
1,2-Dibromo-3-chloropropane	<0.048	mg/kg	0.31	0.048	1	10/28/21 08:45	10/29/21 17:50	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/28/21 08:45	10/29/21 17:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	106-93-4	
Dibromomethane	<0.018	mg/kg	0.062	0.018	1	10/28/21 08:45	10/29/21 17:50	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.062	0.019	1	10/28/21 08:45	10/29/21 17:50	95-50-1	
1,3-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	106-46-7	
Dichlorodifluoromethane	<0.026	mg/kg	0.062	0.026	1	10/28/21 08:45	10/29/21 17:50	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.062	0.016	1	10/28/21 08:45	10/29/21 17:50	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.062	0.014	1	10/28/21 08:45	10/29/21 17:50	107-06-2	
1,1-Dichloroethene	<0.020	mg/kg	0.062	0.020	1	10/28/21 08:45	10/29/21 17:50	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/28/21 08:45	10/29/21 17:50	156-59-2	
trans-1,2-Dichloroethene	<0.013	mg/kg	0.062	0.013	1	10/28/21 08:45	10/29/21 17:50	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	78-87-5	
1,3-Dichloropropane	<0.013	mg/kg	0.062	0.013	1	10/28/21 08:45	10/29/21 17:50	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.062	0.020	1	10/28/21 08:45	10/29/21 17:50	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/28/21 08:45	10/29/21 17:50	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/28/21 08:45	10/29/21 17:50	10061-02-6	
Diisopropyl ether	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/28/21 08:45	10/29/21 17:50	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.062	0.019	1	10/28/21 08:45	10/29/21 17:50	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.062	0.017	1	10/28/21 08:45	10/29/21 17:50	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.062	0.018	1	10/28/21 08:45	10/29/21 17:50	1634-04-4	
Naphthalene	<0.019	mg/kg	0.31	0.019	1	10/28/21 08:45	10/29/21 17:50	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	103-65-1	
Styrene	<0.016	mg/kg	0.062	0.016	1	10/28/21 08:45	10/29/21 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.062	0.015	1	10/28/21 08:45	10/29/21 17:50	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.022	mg/kg	0.062	0.022	1	10/28/21 08:45	10/29/21 17:50	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.062	0.024	1	10/28/21 08:45	10/29/21 17:50	127-18-4	
Toluene	<0.016	mg/kg	0.062	0.016	1	10/28/21 08:45	10/29/21 17:50	108-88-3	
1,2,3-Trichlorobenzene	<0.069	mg/kg	0.31	0.069	1	10/28/21 08:45	10/29/21 17:50	87-61-6	
1,2,4-Trichlorobenzene	<0.051	mg/kg	0.31	0.051	1	10/28/21 08:45	10/29/21 17:50	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.062	0.016	1	10/28/21 08:45	10/29/21 17:50	71-55-6	
1,1,2-Trichloroethane	<0.022	mg/kg	0.062	0.022	1	10/28/21 08:45	10/29/21 17:50	79-00-5	
Trichloroethene	<0.023	mg/kg	0.062	0.023	1	10/28/21 08:45	10/29/21 17:50	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.062	0.018	1	10/28/21 08:45	10/29/21 17:50	75-69-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-14 (0-5) **Lab ID: 40235717027** Collected: 10/22/21 11:27 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.030	mg/kg	0.062	0.030	1	10/28/21 08:45	10/29/21 17:50	96-18-4	
1,2,4-Trimethylbenzene	<0.018	mg/kg	0.062	0.018	1	10/28/21 08:45	10/29/21 17:50	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.062	0.020	1	10/28/21 08:45	10/29/21 17:50	108-67-8	
Vinyl chloride	<0.012	mg/kg	0.062	0.012	1	10/28/21 08:45	10/29/21 17:50	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.12	0.026	1	10/28/21 08:45	10/29/21 17:50	179601-23-1	
o-Xylene	<0.018	mg/kg	0.062	0.018	1	10/28/21 08:45	10/29/21 17:50	95-47-6	
Surrogates									
Toluene-d8 (S)	118	%	67-159		1	10/28/21 08:45	10/29/21 17:50	2037-26-5	
4-Bromofluorobenzene (S)	121	%	66-153		1	10/28/21 08:45	10/29/21 17:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	10/28/21 08:45	10/29/21 17:50	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	10.4	%	0.10	0.10	1		10/26/21 09:35		

Sample: SB-14 (15-20) **Lab ID: 40235717028** Collected: 10/22/21 11:50 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.0J	mg/kg	2.7	1.6	1	10/26/21 06:50	10/26/21 14:30	7440-38-2	
Barium	38.2	mg/kg	0.53	0.16	1	10/26/21 06:50	10/26/21 14:30	7440-39-3	
Cadmium	0.17J	mg/kg	0.53	0.14	1	10/26/21 06:50	10/26/21 14:30	7440-43-9	
Chromium	12.1	mg/kg	1.1	0.29	1	10/26/21 06:50	10/26/21 14:30	7440-47-3	
Lead	4.9	mg/kg	2.1	0.64	1	10/26/21 06:50	10/26/21 14:30	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 06:50	10/26/21 14:30	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/26/21 06:50	10/26/21 14:30	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.036	0.010	1	11/02/21 12:22	11/03/21 11:23	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	11/01/21 13:48	11/02/21 14:11	83-32-9	
Acenaphthylene	<0.067	mg/kg	0.22	0.067	1	11/01/21 13:48	11/02/21 14:11	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 14:11	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 14:11	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.094	0.028	1	11/01/21 13:48	11/02/21 14:11	50-32-8	
Benzo(b)fluoranthene	<0.032	mg/kg	0.11	0.032	1	11/01/21 13:48	11/02/21 14:11	205-99-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-14 (15-20) **Lab ID: 40235717028** Collected: 10/22/21 11:50 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Benzo(g,h,i)perylene	<0.049	mg/kg	0.16	0.049	1	11/01/21 13:48	11/02/21 14:11	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	11/01/21 13:48	11/02/21 14:11	207-08-9	
Chrysene	<0.028	mg/kg	0.094	0.028	1	11/01/21 13:48	11/02/21 14:11	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 14:11	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	11/01/21 13:48	11/02/21 14:11	123-91-1	
Fluoranthene	<0.027	mg/kg	0.089	0.027	1	11/01/21 13:48	11/02/21 14:11	206-44-0	
Fluorene	<0.022	mg/kg	0.073	0.022	1	11/01/21 13:48	11/02/21 14:11	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	11/01/21 13:48	11/02/21 14:11	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	11/01/21 13:48	11/02/21 14:11	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	11/01/21 13:48	11/02/21 14:11	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 14:11	91-20-3	
Phenanthrene	<0.024	mg/kg	0.080	0.024	1	11/01/21 13:48	11/02/21 14:11	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 14:11	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	81	%	40-96		1	11/01/21 13:48	11/02/21 14:11	4165-60-0	
2-Fluorobiphenyl (S)	72	%	14-110		1	11/01/21 13:48	11/02/21 14:11	321-60-8	
Terphenyl-d14 (S)	72	%	10-121		1	11/01/21 13:48	11/02/21 14:11	1718-51-0	
Phenol-d6 (S)	75	%	14-104		1	11/01/21 13:48	11/02/21 14:11	13127-88-3	
2-Fluorophenol (S)	80	%	10-112		1	11/01/21 13:48	11/02/21 14:11	367-12-4	
2,4,6-Tribromophenol (S)	75	%	10-128		1	11/01/21 13:48	11/02/21 14:11	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.025	0.015	1	10/28/21 08:45	10/29/21 18:09	71-43-2	
Bromobenzene	<0.024	mg/kg	0.063	0.024	1	10/28/21 08:45	10/29/21 18:09	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.063	0.015	1	10/28/21 08:45	10/29/21 18:09	75-27-4	
Bromoform	<0.28	mg/kg	0.31	0.28	1	10/28/21 08:45	10/29/21 18:09	75-25-2	
Bromomethane	<0.088	mg/kg	0.31	0.088	1	10/28/21 08:45	10/29/21 18:09	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.063	0.029	1	10/28/21 08:45	10/29/21 18:09	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.063	0.015	1	10/28/21 08:45	10/29/21 18:09	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.063	0.020	1	10/28/21 08:45	10/29/21 18:09	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.063	0.014	1	10/28/21 08:45	10/29/21 18:09	56-23-5	
Chlorobenzene	<0.0075	mg/kg	0.063	0.0075	1	10/28/21 08:45	10/29/21 18:09	108-90-7	
Chloroethane	<0.026	mg/kg	0.31	0.026	1	10/28/21 08:45	10/29/21 18:09	75-00-3	
Chloroform	<0.045	mg/kg	0.31	0.045	1	10/28/21 08:45	10/29/21 18:09	67-66-3	
Chloromethane	<0.024	mg/kg	0.063	0.024	1	10/28/21 08:45	10/29/21 18:09	74-87-3	
2-Chlorotoluene	<0.020	mg/kg	0.063	0.020	1	10/28/21 08:45	10/29/21 18:09	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.063	0.024	1	10/28/21 08:45	10/29/21 18:09	106-43-4	
1,2-Dibromo-3-chloropropane	<0.049	mg/kg	0.31	0.049	1	10/28/21 08:45	10/29/21 18:09	96-12-8	
Dibromochloromethane	<0.21	mg/kg	0.31	0.21	1	10/28/21 08:45	10/29/21 18:09	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	106-93-4	
Dibromomethane	<0.019	mg/kg	0.063	0.019	1	10/28/21 08:45	10/29/21 18:09	74-95-3	
1,2-Dichlorobenzene	<0.019	mg/kg	0.063	0.019	1	10/28/21 08:45	10/29/21 18:09	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-14 (15-20) **Lab ID: 40235717028** Collected: 10/22/21 11:50 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.063	0.027	1	10/28/21 08:45	10/29/21 18:09	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.063	0.016	1	10/28/21 08:45	10/29/21 18:09	75-34-3	
1,2-Dichloroethane	<0.014	mg/kg	0.063	0.014	1	10/28/21 08:45	10/29/21 18:09	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.063	0.021	1	10/28/21 08:45	10/29/21 18:09	75-35-4	
cis-1,2-Dichloroethene	<0.013	mg/kg	0.063	0.013	1	10/28/21 08:45	10/29/21 18:09	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.063	0.014	1	10/28/21 08:45	10/29/21 18:09	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.063	0.015	1	10/28/21 08:45	10/29/21 18:09	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.063	0.014	1	10/28/21 08:45	10/29/21 18:09	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	594-20-7	
1,1-Dichloropropene	<0.020	mg/kg	0.063	0.020	1	10/28/21 08:45	10/29/21 18:09	563-58-6	
cis-1,3-Dichloropropene	<0.041	mg/kg	0.31	0.041	1	10/28/21 08:45	10/29/21 18:09	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.31	0.18	1	10/28/21 08:45	10/29/21 18:09	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.063	0.016	1	10/28/21 08:45	10/29/21 18:09	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.063	0.015	1	10/28/21 08:45	10/29/21 18:09	100-41-4	
Hexachloro-1,3-butadiene	<0.12	mg/kg	0.31	0.12	1	10/28/21 08:45	10/29/21 18:09	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.063	0.019	1	10/28/21 08:45	10/29/21 18:09	99-87-6	
Methylene Chloride	<0.017	mg/kg	0.063	0.017	1	10/28/21 08:45	10/29/21 18:09	75-09-2	
Methyl-tert-butyl ether	<0.018	mg/kg	0.063	0.018	1	10/28/21 08:45	10/29/21 18:09	1634-04-4	
Naphthalene	<0.020	mg/kg	0.31	0.020	1	10/28/21 08:45	10/29/21 18:09	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.063	0.015	1	10/28/21 08:45	10/29/21 18:09	103-65-1	
Styrene	<0.016	mg/kg	0.063	0.016	1	10/28/21 08:45	10/29/21 18:09	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.063	0.015	1	10/28/21 08:45	10/29/21 18:09	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.063	0.023	1	10/28/21 08:45	10/29/21 18:09	79-34-5	
Tetrachloroethene	<0.024	mg/kg	0.063	0.024	1	10/28/21 08:45	10/29/21 18:09	127-18-4	
Toluene	<0.016	mg/kg	0.063	0.016	1	10/28/21 08:45	10/29/21 18:09	108-88-3	
1,2,3-Trichlorobenzene	<0.070	mg/kg	0.31	0.070	1	10/28/21 08:45	10/29/21 18:09	87-61-6	
1,2,4-Trichlorobenzene	<0.052	mg/kg	0.31	0.052	1	10/28/21 08:45	10/29/21 18:09	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.063	0.016	1	10/28/21 08:45	10/29/21 18:09	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.063	0.023	1	10/28/21 08:45	10/29/21 18:09	79-00-5	
Trichloroethene	<0.023	mg/kg	0.063	0.023	1	10/28/21 08:45	10/29/21 18:09	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.063	0.018	1	10/28/21 08:45	10/29/21 18:09	75-69-4	
1,2,3-Trichloropropane	<0.030	mg/kg	0.063	0.030	1	10/28/21 08:45	10/29/21 18:09	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.063	0.019	1	10/28/21 08:45	10/29/21 18:09	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.063	0.020	1	10/28/21 08:45	10/29/21 18:09	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.063	0.013	1	10/28/21 08:45	10/29/21 18:09	75-01-4	
m&p-Xylene	<0.026	mg/kg	0.13	0.026	1	10/28/21 08:45	10/29/21 18:09	179601-23-1	
o-Xylene	<0.019	mg/kg	0.063	0.019	1	10/28/21 08:45	10/29/21 18:09	95-47-6	
Surrogates									
Toluene-d8 (S)	113	%	67-159		1	10/28/21 08:45	10/29/21 18:09	2037-26-5	
4-Bromofluorobenzene (S)	122	%	66-153		1	10/28/21 08:45	10/29/21 18:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	82-158		1	10/28/21 08:45	10/29/21 18:09	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-14 (15-20) **Lab ID: 40235717028** Collected: 10/22/21 11:50 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	11.1	%	0.10	0.10	1		10/26/21 09:35		

Sample: SB-3 (8-10) **Lab ID: 40235717029** Collected: 10/21/21 10:02 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B Pace Analytical Services - Green Bay									
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/26/21 06:50	10/26/21 14:33	7440-38-2	
Barium	43.6	mg/kg	0.52	0.16	1	10/26/21 06:50	10/26/21 14:33	7440-39-3	
Cadmium	0.22J	mg/kg	0.52	0.14	1	10/26/21 06:50	10/26/21 14:33	7440-43-9	
Chromium	19.5	mg/kg	1.0	0.29	1	10/26/21 06:50	10/26/21 14:33	7440-47-3	
Lead	6.3	mg/kg	2.1	0.63	1	10/26/21 06:50	10/26/21 14:33	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 06:50	10/26/21 14:33	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/26/21 06:50	10/26/21 14:33	7440-22-4	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471
Pace Analytical Services - Green Bay

Mercury	<0.011	mg/kg	0.039	0.011	1	11/02/21 12:22	11/03/21 11:25	7439-97-6	
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Acenaphthene	<0.068	mg/kg	0.23	0.068	1	11/01/21 13:48	11/02/21 11:02	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	11/01/21 13:48	11/02/21 11:02	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 11:02	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.099	0.030	1	11/01/21 13:48	11/02/21 11:02	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.096	0.029	1	11/01/21 13:48	11/02/21 11:02	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	11/01/21 13:48	11/02/21 11:02	205-99-2	
Benzo(g,h,i)perylene	0.072J	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 11:02	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	11/01/21 13:48	11/02/21 11:02	207-08-9	
Chrysene	<0.029	mg/kg	0.095	0.029	1	11/01/21 13:48	11/02/21 11:02	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	11/01/21 13:48	11/02/21 11:02	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.35	0.10	1	11/01/21 13:48	11/02/21 11:02	123-91-1	
Fluoranthene	<0.027	mg/kg	0.090	0.027	1	11/01/21 13:48	11/02/21 11:02	206-44-0	
Fluorene	<0.022	mg/kg	0.075	0.022	1	11/01/21 13:48	11/02/21 11:02	86-73-7	
Indeno(1,2,3-cd)pyrene	0.060J	mg/kg	0.14	0.041	1	11/01/21 13:48	11/02/21 11:02	193-39-5	
1-Methylnaphthalene	<0.055	mg/kg	0.18	0.055	1	11/01/21 13:48	11/02/21 11:02	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 11:02	91-57-6	
Naphthalene	<0.067	mg/kg	0.22	0.067	1	11/01/21 13:48	11/02/21 11:02	91-20-3	
Phenanthrene	<0.025	mg/kg	0.082	0.025	1	11/01/21 13:48	11/02/21 11:02	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 11:02	129-00-0	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-3 (8-10) **Lab ID: 40235717029** Collected: 10/21/21 10:02 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546
Pace Analytical Services - Green Bay

Surrogates

Nitrobenzene-d5 (S)	62	%	40-96		1	11/01/21 13:48	11/02/21 11:02	4165-60-0	
2-Fluorobiphenyl (S)	49	%	14-110		1	11/01/21 13:48	11/02/21 11:02	321-60-8	
Terphenyl-d14 (S)	63	%	10-121		1	11/01/21 13:48	11/02/21 11:02	1718-51-0	
Phenol-d6 (S)	62	%	14-104		1	11/01/21 13:48	11/02/21 11:02	13127-88-3	
2-Fluorophenol (S)	61	%	10-112		1	11/01/21 13:48	11/02/21 11:02	367-12-4	
2,4,6-Tribromophenol (S)	59	%	10-128		1	11/01/21 13:48	11/02/21 11:02	118-79-6	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.026	0.015	1	10/28/21 08:45	10/29/21 18:29	71-43-2	
Bromobenzene	<0.025	mg/kg	0.065	0.025	1	10/28/21 08:45	10/29/21 18:29	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.065	0.018	1	10/28/21 08:45	10/29/21 18:29	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.065	0.015	1	10/28/21 08:45	10/29/21 18:29	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/28/21 08:45	10/29/21 18:29	75-25-2	
Bromomethane	<0.091	mg/kg	0.32	0.091	1	10/28/21 08:45	10/29/21 18:29	74-83-9	
n-Butylbenzene	<0.030	mg/kg	0.065	0.030	1	10/28/21 08:45	10/29/21 18:29	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.065	0.016	1	10/28/21 08:45	10/29/21 18:29	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.065	0.020	1	10/28/21 08:45	10/29/21 18:29	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.065	0.014	1	10/28/21 08:45	10/29/21 18:29	56-23-5	
Chlorobenzene	<0.0077	mg/kg	0.065	0.0077	1	10/28/21 08:45	10/29/21 18:29	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/28/21 08:45	10/29/21 18:29	75-00-3	
Chloroform	<0.046	mg/kg	0.32	0.046	1	10/28/21 08:45	10/29/21 18:29	67-66-3	
Chloromethane	<0.025	mg/kg	0.065	0.025	1	10/28/21 08:45	10/29/21 18:29	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.065	0.021	1	10/28/21 08:45	10/29/21 18:29	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.065	0.025	1	10/28/21 08:45	10/29/21 18:29	106-43-4	
1,2-Dibromo-3-chloropropane	<0.050	mg/kg	0.32	0.050	1	10/28/21 08:45	10/29/21 18:29	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/28/21 08:45	10/29/21 18:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.065	0.018	1	10/28/21 08:45	10/29/21 18:29	106-93-4	
Dibromomethane	<0.019	mg/kg	0.065	0.019	1	10/28/21 08:45	10/29/21 18:29	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.065	0.020	1	10/28/21 08:45	10/29/21 18:29	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/28/21 08:45	10/29/21 18:29	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.065	0.018	1	10/28/21 08:45	10/29/21 18:29	106-46-7	
Dichlorodifluoromethane	<0.028	mg/kg	0.065	0.028	1	10/28/21 08:45	10/29/21 18:29	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.065	0.017	1	10/28/21 08:45	10/29/21 18:29	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.065	0.015	1	10/28/21 08:45	10/29/21 18:29	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.065	0.021	1	10/28/21 08:45	10/29/21 18:29	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/28/21 08:45	10/29/21 18:29	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.065	0.014	1	10/28/21 08:45	10/29/21 18:29	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.065	0.015	1	10/28/21 08:45	10/29/21 18:29	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.065	0.014	1	10/28/21 08:45	10/29/21 18:29	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.065	0.017	1	10/28/21 08:45	10/29/21 18:29	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.065	0.021	1	10/28/21 08:45	10/29/21 18:29	563-58-6	
cis-1,3-Dichloropropene	<0.043	mg/kg	0.32	0.043	1	10/28/21 08:45	10/29/21 18:29	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-3 (8-10) **Lab ID: 40235717029** Collected: 10/21/21 10:02 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/28/21 08:45	10/29/21 18:29	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.065	0.016	1	10/28/21 08:45	10/29/21 18:29	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.065	0.015	1	10/28/21 08:45	10/29/21 18:29	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/28/21 08:45	10/29/21 18:29	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.065	0.017	1	10/28/21 08:45	10/29/21 18:29	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.065	0.020	1	10/28/21 08:45	10/29/21 18:29	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.065	0.018	1	10/28/21 08:45	10/29/21 18:29	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.065	0.019	1	10/28/21 08:45	10/29/21 18:29	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/28/21 08:45	10/29/21 18:29	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.065	0.016	1	10/28/21 08:45	10/29/21 18:29	103-65-1	
Styrene	<0.017	mg/kg	0.065	0.017	1	10/28/21 08:45	10/29/21 18:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.065	0.016	1	10/28/21 08:45	10/29/21 18:29	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.065	0.023	1	10/28/21 08:45	10/29/21 18:29	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.065	0.025	1	10/28/21 08:45	10/29/21 18:29	127-18-4	
Toluene	<0.016	mg/kg	0.065	0.016	1	10/28/21 08:45	10/29/21 18:29	108-88-3	
1,2,3-Trichlorobenzene	<0.072	mg/kg	0.32	0.072	1	10/28/21 08:45	10/29/21 18:29	87-61-6	
1,2,4-Trichlorobenzene	<0.053	mg/kg	0.32	0.053	1	10/28/21 08:45	10/29/21 18:29	120-82-1	
1,1,1-Trichloroethane	<0.017	mg/kg	0.065	0.017	1	10/28/21 08:45	10/29/21 18:29	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.065	0.024	1	10/28/21 08:45	10/29/21 18:29	79-00-5	
Trichloroethene	2.5	mg/kg	0.065	0.024	1	10/28/21 08:45	10/29/21 18:29	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.065	0.019	1	10/28/21 08:45	10/29/21 18:29	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.065	0.031	1	10/28/21 08:45	10/29/21 18:29	96-18-4	
1,2,4-Trimethylbenzene	<0.019	mg/kg	0.065	0.019	1	10/28/21 08:45	10/29/21 18:29	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.065	0.021	1	10/28/21 08:45	10/29/21 18:29	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.065	0.013	1	10/28/21 08:45	10/29/21 18:29	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/28/21 08:45	10/29/21 18:29	179601-23-1	
o-Xylene	<0.019	mg/kg	0.065	0.019	1	10/28/21 08:45	10/29/21 18:29	95-47-6	
Surrogates									
Toluene-d8 (S)	123	%	67-159		1	10/28/21 08:45	10/29/21 18:29	2037-26-5	
4-Bromofluorobenzene (S)	125	%	66-153		1	10/28/21 08:45	10/29/21 18:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	120	%	82-158		1	10/28/21 08:45	10/29/21 18:29	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.8	%	0.10	0.10	1		10/26/21 09:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-4 (8-10) **Lab ID: 40235717030** Collected: 10/21/21 10:02 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	1.8J	mg/kg	2.9	1.7	1	10/26/21 06:50	10/26/21 14:36	7440-38-2	
Barium	56.3	mg/kg	0.58	0.17	1	10/26/21 06:50	10/26/21 14:36	7440-39-3	
Cadmium	0.31J	mg/kg	0.58	0.15	1	10/26/21 06:50	10/26/21 14:36	7440-43-9	
Chromium	14.5	mg/kg	1.2	0.32	1	10/26/21 06:50	10/26/21 14:36	7440-47-3	
Lead	6.5	mg/kg	2.3	0.69	1	10/26/21 06:50	10/26/21 14:36	7439-92-1	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/26/21 06:50	10/26/21 14:36	7782-49-2	
Silver	<0.35	mg/kg	1.2	0.35	1	10/26/21 06:50	10/26/21 14:36	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.039	0.011	1	11/02/21 12:22	11/03/21 11:28	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 14:32	83-32-9	
Acenaphthylene	<0.069	mg/kg	0.23	0.069	1	11/01/21 13:48	11/02/21 14:32	208-96-8	
Anthracene	<0.031	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 14:32	120-12-7	
Benzo(a)anthracene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 14:32	56-55-3	
Benzo(a)pyrene	<0.029	mg/kg	0.097	0.029	1	11/01/21 13:48	11/02/21 14:32	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	11/01/21 13:48	11/02/21 14:32	205-99-2	
Benzo(g,h,i)perylene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 14:32	191-24-2	
Benzo(k)fluoranthene	<0.046	mg/kg	0.15	0.046	1	11/01/21 13:48	11/02/21 14:32	207-08-9	
Chrysene	<0.029	mg/kg	0.096	0.029	1	11/01/21 13:48	11/02/21 14:32	218-01-9	
Dibenz(a,h)anthracene	<0.052	mg/kg	0.17	0.052	1	11/01/21 13:48	11/02/21 14:32	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.35	0.10	1	11/01/21 13:48	11/02/21 14:32	123-91-1	
Fluoranthene	<0.027	mg/kg	0.091	0.027	1	11/01/21 13:48	11/02/21 14:32	206-44-0	
Fluorene	<0.023	mg/kg	0.075	0.023	1	11/01/21 13:48	11/02/21 14:32	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.042	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 14:32	193-39-5	
1-Methylnaphthalene	<0.055	mg/kg	0.18	0.055	1	11/01/21 13:48	11/02/21 14:32	90-12-0	
2-Methylnaphthalene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 14:32	91-57-6	
Naphthalene	<0.068	mg/kg	0.23	0.068	1	11/01/21 13:48	11/02/21 14:32	91-20-3	
Phenanthrene	<0.025	mg/kg	0.083	0.025	1	11/01/21 13:48	11/02/21 14:32	85-01-8	
Pyrene	<0.043	mg/kg	0.14	0.043	1	11/01/21 13:48	11/02/21 14:32	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	82	%	40-96		1	11/01/21 13:48	11/02/21 14:32	4165-60-0	
2-Fluorobiphenyl (S)	73	%	14-110		1	11/01/21 13:48	11/02/21 14:32	321-60-8	
Terphenyl-d14 (S)	80	%	10-121		1	11/01/21 13:48	11/02/21 14:32	1718-51-0	
Phenol-d6 (S)	76	%	14-104		1	11/01/21 13:48	11/02/21 14:32	13127-88-3	
2-Fluorophenol (S)	79	%	10-112		1	11/01/21 13:48	11/02/21 14:32	367-12-4	
2,4,6-Tribromophenol (S)	76	%	10-128		1	11/01/21 13:48	11/02/21 14:32	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.016	mg/kg	0.026	0.016	1	10/28/21 08:45	10/29/21 18:48	71-43-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-4 (8-10) **Lab ID: 40235717030** Collected: 10/21/21 10:02 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Bromobenzene	<0.026	mg/kg	0.066	0.026	1	10/28/21 08:45	10/29/21 18:48	108-86-1	
Bromochloromethane	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	74-97-5	
Bromodichloromethane	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	75-27-4	
Bromoform	<0.29	mg/kg	0.33	0.29	1	10/28/21 08:45	10/29/21 18:48	75-25-2	
Bromomethane	<0.092	mg/kg	0.33	0.092	1	10/28/21 08:45	10/29/21 18:48	74-83-9	
n-Butylbenzene	<0.030	mg/kg	0.066	0.030	1	10/28/21 08:45	10/29/21 18:48	104-51-8	
sec-Butylbenzene	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	135-98-8	
tert-Butylbenzene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 18:48	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 18:48	56-23-5	
Chlorobenzene	<0.0079	mg/kg	0.066	0.0079	1	10/28/21 08:45	10/29/21 18:48	108-90-7	
Chloroethane	<0.028	mg/kg	0.33	0.028	1	10/28/21 08:45	10/29/21 18:48	75-00-3	
Chloroform	<0.047	mg/kg	0.33	0.047	1	10/28/21 08:45	10/29/21 18:48	67-66-3	
Chloromethane	<0.025	mg/kg	0.066	0.025	1	10/28/21 08:45	10/29/21 18:48	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 18:48	95-49-8	
4-Chlorotoluene	<0.025	mg/kg	0.066	0.025	1	10/28/21 08:45	10/29/21 18:48	106-43-4	
1,2-Dibromo-3-chloropropane	<0.051	mg/kg	0.33	0.051	1	10/28/21 08:45	10/29/21 18:48	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.33	0.22	1	10/28/21 08:45	10/29/21 18:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	106-93-4	
Dibromomethane	<0.019	mg/kg	0.066	0.019	1	10/28/21 08:45	10/29/21 18:48	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 18:48	95-50-1	
1,3-Dichlorobenzene	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	541-73-1	
1,4-Dichlorobenzene	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	106-46-7	
Dichlorodifluoromethane	<0.028	mg/kg	0.066	0.028	1	10/28/21 08:45	10/29/21 18:48	75-71-8	
1,1-Dichloroethane	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 18:48	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.066	0.015	1	10/28/21 08:45	10/29/21 18:48	107-06-2	
1,1-Dichloroethene	<0.022	mg/kg	0.066	0.022	1	10/28/21 08:45	10/29/21 18:48	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 18:48	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 18:48	156-60-5	
1,2-Dichloropropane	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.066	0.014	1	10/28/21 08:45	10/29/21 18:48	142-28-9	
2,2-Dichloropropane	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 18:48	563-58-6	
cis-1,3-Dichloropropene	<0.043	mg/kg	0.33	0.043	1	10/28/21 08:45	10/29/21 18:48	10061-01-5	
trans-1,3-Dichloropropene	<0.19	mg/kg	0.33	0.19	1	10/28/21 08:45	10/29/21 18:48	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	108-20-3	
Ethylbenzene	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.33	0.13	1	10/28/21 08:45	10/29/21 18:48	87-68-3	
Isopropylbenzene (Cumene)	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	98-82-8	
p-Isopropyltoluene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 18:48	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.066	0.018	1	10/28/21 08:45	10/29/21 18:48	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.066	0.019	1	10/28/21 08:45	10/29/21 18:48	1634-04-4	
Naphthalene	<0.021	mg/kg	0.33	0.021	1	10/28/21 08:45	10/29/21 18:48	91-20-3	
n-Propylbenzene	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	103-65-1	
Styrene	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 18:48	100-42-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-4 (8-10) **Lab ID: 40235717030** Collected: 10/21/21 10:02 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.016	mg/kg	0.066	0.016	1	10/28/21 08:45	10/29/21 18:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.024	mg/kg	0.066	0.024	1	10/28/21 08:45	10/29/21 18:48	79-34-5	
Tetrachloroethene	<0.026	mg/kg	0.066	0.026	1	10/28/21 08:45	10/29/21 18:48	127-18-4	
Toluene	<0.017	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 18:48	108-88-3	
1,2,3-Trichlorobenzene	<0.073	mg/kg	0.33	0.073	1	10/28/21 08:45	10/29/21 18:48	87-61-6	
1,2,4-Trichlorobenzene	<0.054	mg/kg	0.33	0.054	1	10/28/21 08:45	10/29/21 18:48	120-82-1	
1,1,1-Trichloroethane	0.065J	mg/kg	0.066	0.017	1	10/28/21 08:45	10/29/21 18:48	71-55-6	
1,1,2-Trichloroethane	<0.024	mg/kg	0.066	0.024	1	10/28/21 08:45	10/29/21 18:48	79-00-5	
Trichloroethene	1.6	mg/kg	0.066	0.025	1	10/28/21 08:45	10/29/21 18:48	79-01-6	
Trichlorofluoromethane	<0.019	mg/kg	0.066	0.019	1	10/28/21 08:45	10/29/21 18:48	75-69-4	
1,2,3-Trichloropropane	<0.032	mg/kg	0.066	0.032	1	10/28/21 08:45	10/29/21 18:48	96-18-4	
1,2,4-Trimethylbenzene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 18:48	95-63-6	
1,3,5-Trimethylbenzene	<0.021	mg/kg	0.066	0.021	1	10/28/21 08:45	10/29/21 18:48	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.066	0.013	1	10/28/21 08:45	10/29/21 18:48	75-01-4	
m&p-Xylene	<0.028	mg/kg	0.13	0.028	1	10/28/21 08:45	10/29/21 18:48	179601-23-1	
o-Xylene	<0.020	mg/kg	0.066	0.020	1	10/28/21 08:45	10/29/21 18:48	95-47-6	
Surrogates									
Toluene-d8 (S)	119	%	67-159		1	10/28/21 08:45	10/29/21 18:48	2037-26-5	
4-Bromofluorobenzene (S)	123	%	66-153		1	10/28/21 08:45	10/29/21 18:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	117	%	82-158		1	10/28/21 08:45	10/29/21 18:48	2199-69-1	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	13.6	%	0.10	0.10	1		10/26/21 09:35		
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Sample: SB-5 (12-15) **Lab ID: 40235717031** Collected: 10/21/21 11:31 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	4.5	mg/kg	2.6	1.5	1	10/26/21 06:50	10/26/21 14:45	7440-38-2	
Barium	13.1	mg/kg	0.52	0.16	1	10/26/21 06:50	10/26/21 14:45	7440-39-3	
Cadmium	<0.14	mg/kg	0.52	0.14	1	10/26/21 06:50	10/26/21 14:45	7440-43-9	
Chromium	6.4	mg/kg	1.0	0.29	1	10/26/21 06:50	10/26/21 14:45	7440-47-3	
Lead	5.6	mg/kg	2.1	0.63	1	10/26/21 06:50	10/26/21 14:45	7439-92-1	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/26/21 06:50	10/26/21 14:45	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/26/21 06:50	10/26/21 14:45	7440-22-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-5 (12-15) **Lab ID: 40235717031** Collected: 10/21/21 11:31 Received: 10/23/21 08:55 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
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0099	mg/kg	0.035	0.0099	1	11/02/21 12:22	11/03/21 11:30	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.063	mg/kg	0.21	0.063	1	11/01/21 13:48	11/02/21 15:35	83-32-9	
Acenaphthylene	<0.064	mg/kg	0.21	0.064	1	11/01/21 13:48	11/02/21 15:35	208-96-8	
Anthracene	<0.029	mg/kg	0.095	0.029	1	11/01/21 13:48	11/02/21 15:35	120-12-7	
Benzo(a)anthracene	<0.028	mg/kg	0.092	0.028	1	11/01/21 13:48	11/02/21 15:35	56-55-3	
Benzo(a)pyrene	0.078J	mg/kg	0.090	0.027	1	11/01/21 13:48	11/02/21 15:35	50-32-8	
Benzo(b)fluoranthene	0.051J	mg/kg	0.10	0.031	1	11/01/21 13:48	11/02/21 15:35	205-99-2	
Benzo(g,h,i)perylene	0.087J	mg/kg	0.16	0.047	1	11/01/21 13:48	11/02/21 15:35	191-24-2	
Benzo(k)fluoranthene	0.050J	mg/kg	0.14	0.043	1	11/01/21 13:48	11/02/21 15:35	207-08-9	
Chrysene	<0.027	mg/kg	0.089	0.027	1	11/01/21 13:48	11/02/21 15:35	218-01-9	
Dibenz(a,h)anthracene	0.081J	mg/kg	0.16	0.048	1	11/01/21 13:48	11/02/21 15:35	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.097	mg/kg	0.32	0.097	1	11/01/21 13:48	11/02/21 15:35	123-91-1	
Fluoranthene	<0.025	mg/kg	0.084	0.025	1	11/01/21 13:48	11/02/21 15:35	206-44-0	
Fluorene	<0.021	mg/kg	0.070	0.021	1	11/01/21 13:48	11/02/21 15:35	86-73-7	
Indeno(1,2,3-cd)pyrene	0.12J	mg/kg	0.13	0.039	1	11/01/21 13:48	11/02/21 15:35	193-39-5	
1-Methylnaphthalene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 15:35	90-12-0	
2-Methylnaphthalene	<0.046	mg/kg	0.15	0.046	1	11/01/21 13:48	11/02/21 15:35	91-57-6	
Naphthalene	<0.062	mg/kg	0.21	0.062	1	11/01/21 13:48	11/02/21 15:35	91-20-3	
Phenanthrene	<0.023	mg/kg	0.076	0.023	1	11/01/21 13:48	11/02/21 15:35	85-01-8	
Pyrene	<0.040	mg/kg	0.13	0.040	1	11/01/21 13:48	11/02/21 15:35	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	84	%	40-96		1	11/01/21 13:48	11/02/21 15:35	4165-60-0	
2-Fluorobiphenyl (S)	81	%	14-110		1	11/01/21 13:48	11/02/21 15:35	321-60-8	
Terphenyl-d14 (S)	93	%	10-121		1	11/01/21 13:48	11/02/21 15:35	1718-51-0	
Phenol-d6 (S)	79	%	14-104		1	11/01/21 13:48	11/02/21 15:35	13127-88-3	
2-Fluorophenol (S)	80	%	10-112		1	11/01/21 13:48	11/02/21 15:35	367-12-4	
2,4,6-Tribromophenol (S)	82	%	10-128		1	11/01/21 13:48	11/02/21 15:35	118-79-6	
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.014	mg/kg	0.023	0.014	1	10/28/21 08:45	10/29/21 19:08	71-43-2	
Bromobenzene	<0.022	mg/kg	0.057	0.022	1	10/28/21 08:45	10/29/21 19:08	108-86-1	
Bromochloromethane	<0.016	mg/kg	0.057	0.016	1	10/28/21 08:45	10/29/21 19:08	74-97-5	
Bromodichloromethane	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	75-27-4	
Bromoform	<0.25	mg/kg	0.28	0.25	1	10/28/21 08:45	10/29/21 19:08	75-25-2	
Bromomethane	<0.080	mg/kg	0.28	0.080	1	10/28/21 08:45	10/29/21 19:08	74-83-9	
n-Butylbenzene	<0.026	mg/kg	0.057	0.026	1	10/28/21 08:45	10/29/21 19:08	104-51-8	
sec-Butylbenzene	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	135-98-8	
tert-Butylbenzene	<0.018	mg/kg	0.057	0.018	1	10/28/21 08:45	10/29/21 19:08	98-06-6	
Carbon tetrachloride	<0.013	mg/kg	0.057	0.013	1	10/28/21 08:45	10/29/21 19:08	56-23-5	
Chlorobenzene	<0.0068	mg/kg	0.057	0.0068	1	10/28/21 08:45	10/29/21 19:08	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-5 (12-15) **Lab ID: 40235717031** Collected: 10/21/21 11:31 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Chloroethane	<0.024	mg/kg	0.28	0.024	1	10/28/21 08:45	10/29/21 19:08	75-00-3	
Chloroform	<0.041	mg/kg	0.28	0.041	1	10/28/21 08:45	10/29/21 19:08	67-66-3	
Chloromethane	<0.022	mg/kg	0.057	0.022	1	10/28/21 08:45	10/29/21 19:08	74-87-3	
2-Chlorotoluene	<0.018	mg/kg	0.057	0.018	1	10/28/21 08:45	10/29/21 19:08	95-49-8	
4-Chlorotoluene	<0.022	mg/kg	0.057	0.022	1	10/28/21 08:45	10/29/21 19:08	106-43-4	
1,2-Dibromo-3-chloropropane	<0.044	mg/kg	0.28	0.044	1	10/28/21 08:45	10/29/21 19:08	96-12-8	
Dibromochloromethane	<0.19	mg/kg	0.28	0.19	1	10/28/21 08:45	10/29/21 19:08	124-48-1	
1,2-Dibromoethane (EDB)	<0.016	mg/kg	0.057	0.016	1	10/28/21 08:45	10/29/21 19:08	106-93-4	
Dibromomethane	<0.017	mg/kg	0.057	0.017	1	10/28/21 08:45	10/29/21 19:08	74-95-3	
1,2-Dichlorobenzene	<0.018	mg/kg	0.057	0.018	1	10/28/21 08:45	10/29/21 19:08	95-50-1	
1,3-Dichlorobenzene	<0.016	mg/kg	0.057	0.016	1	10/28/21 08:45	10/29/21 19:08	541-73-1	
1,4-Dichlorobenzene	<0.016	mg/kg	0.057	0.016	1	10/28/21 08:45	10/29/21 19:08	106-46-7	
Dichlorodifluoromethane	<0.024	mg/kg	0.057	0.024	1	10/28/21 08:45	10/29/21 19:08	75-71-8	
1,1-Dichloroethane	<0.015	mg/kg	0.057	0.015	1	10/28/21 08:45	10/29/21 19:08	75-34-3	
1,2-Dichloroethane	<0.013	mg/kg	0.057	0.013	1	10/28/21 08:45	10/29/21 19:08	107-06-2	
1,1-Dichloroethene	<0.019	mg/kg	0.057	0.019	1	10/28/21 08:45	10/29/21 19:08	75-35-4	
cis-1,2-Dichloroethene	<0.012	mg/kg	0.057	0.012	1	10/28/21 08:45	10/29/21 19:08	156-59-2	
trans-1,2-Dichloroethene	<0.012	mg/kg	0.057	0.012	1	10/28/21 08:45	10/29/21 19:08	156-60-5	
1,2-Dichloropropane	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	78-87-5	
1,3-Dichloropropane	<0.012	mg/kg	0.057	0.012	1	10/28/21 08:45	10/29/21 19:08	142-28-9	
2,2-Dichloropropane	<0.015	mg/kg	0.057	0.015	1	10/28/21 08:45	10/29/21 19:08	594-20-7	
1,1-Dichloropropene	<0.018	mg/kg	0.057	0.018	1	10/28/21 08:45	10/29/21 19:08	563-58-6	
cis-1,3-Dichloropropene	<0.038	mg/kg	0.28	0.038	1	10/28/21 08:45	10/29/21 19:08	10061-01-5	
trans-1,3-Dichloropropene	<0.16	mg/kg	0.28	0.16	1	10/28/21 08:45	10/29/21 19:08	10061-02-6	
Diisopropyl ether	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	108-20-3	
Ethylbenzene	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	100-41-4	
Hexachloro-1,3-butadiene	<0.11	mg/kg	0.28	0.11	1	10/28/21 08:45	10/29/21 19:08	87-68-3	
Isopropylbenzene (Cumene)	<0.015	mg/kg	0.057	0.015	1	10/28/21 08:45	10/29/21 19:08	98-82-8	
p-Isopropyltoluene	<0.017	mg/kg	0.057	0.017	1	10/28/21 08:45	10/29/21 19:08	99-87-6	
Methylene Chloride	<0.016	mg/kg	0.057	0.016	1	10/28/21 08:45	10/29/21 19:08	75-09-2	
Methyl-tert-butyl ether	<0.017	mg/kg	0.057	0.017	1	10/28/21 08:45	10/29/21 19:08	1634-04-4	
Naphthalene	<0.018	mg/kg	0.28	0.018	1	10/28/21 08:45	10/29/21 19:08	91-20-3	
n-Propylbenzene	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	103-65-1	
Styrene	<0.015	mg/kg	0.057	0.015	1	10/28/21 08:45	10/29/21 19:08	100-42-5	
1,1,1,2-Tetrachloroethane	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	630-20-6	
1,1,2,2-Tetrachloroethane	<0.021	mg/kg	0.057	0.021	1	10/28/21 08:45	10/29/21 19:08	79-34-5	
Tetrachloroethene	<0.022	mg/kg	0.057	0.022	1	10/28/21 08:45	10/29/21 19:08	127-18-4	
Toluene	<0.014	mg/kg	0.057	0.014	1	10/28/21 08:45	10/29/21 19:08	108-88-3	
1,2,3-Trichlorobenzene	<0.063	mg/kg	0.28	0.063	1	10/28/21 08:45	10/29/21 19:08	87-61-6	
1,2,4-Trichlorobenzene	<0.047	mg/kg	0.28	0.047	1	10/28/21 08:45	10/29/21 19:08	120-82-1	
1,1,1-Trichloroethane	<0.015	mg/kg	0.057	0.015	1	10/28/21 08:45	10/29/21 19:08	71-55-6	
1,1,2-Trichloroethane	<0.021	mg/kg	0.057	0.021	1	10/28/21 08:45	10/29/21 19:08	79-00-5	
Trichloroethene	0.23	mg/kg	0.057	0.021	1	10/28/21 08:45	10/29/21 19:08	79-01-6	
Trichlorofluoromethane	<0.017	mg/kg	0.057	0.017	1	10/28/21 08:45	10/29/21 19:08	75-69-4	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: SB-5 (12-15) **Lab ID: 40235717031** Collected: 10/21/21 11:31 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,3-Trichloropropane	<0.028	mg/kg	0.057	0.028	1	10/28/21 08:45	10/29/21 19:08	96-18-4	
1,2,4-Trimethylbenzene	<0.017	mg/kg	0.057	0.017	1	10/28/21 08:45	10/29/21 19:08	95-63-6	
1,3,5-Trimethylbenzene	<0.018	mg/kg	0.057	0.018	1	10/28/21 08:45	10/29/21 19:08	108-67-8	
Vinyl chloride	<0.011	mg/kg	0.057	0.011	1	10/28/21 08:45	10/29/21 19:08	75-01-4	
m&p-Xylene	<0.024	mg/kg	0.11	0.024	1	10/28/21 08:45	10/29/21 19:08	179601-23-1	
o-Xylene	<0.017	mg/kg	0.057	0.017	1	10/28/21 08:45	10/29/21 19:08	95-47-6	
Surrogates									
Toluene-d8 (S)	110	%	67-159		1	10/28/21 08:45	10/29/21 19:08	2037-26-5	
4-Bromofluorobenzene (S)	115	%	66-153		1	10/28/21 08:45	10/29/21 19:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	82-158		1	10/28/21 08:45	10/29/21 19:08	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.5	%	0.10	0.10	1		10/26/21 09:36		

Sample: SB-9 (9-10) **Lab ID: 40235717032** Collected: 10/21/21 13:37 Received: 10/23/21 08:55 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
6010D MET ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3050B									
Pace Analytical Services - Green Bay									
Arsenic	2.1J	mg/kg	2.7	1.6	1	10/26/21 06:50	10/26/21 14:48	7440-38-2	
Barium	11.4	mg/kg	0.55	0.16	1	10/26/21 06:50	10/26/21 14:48	7440-39-3	
Cadmium	0.24J	mg/kg	0.55	0.15	1	10/26/21 06:50	10/26/21 14:48	7440-43-9	
Chromium	5.9	mg/kg	1.1	0.30	1	10/26/21 06:50	10/26/21 14:48	7440-47-3	
Lead	4.0	mg/kg	2.2	0.66	1	10/26/21 06:50	10/26/21 14:48	7439-92-1	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/26/21 06:50	10/26/21 14:48	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/26/21 06:50	10/26/21 14:48	7440-22-4	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	11/02/21 12:22	11/03/21 11:32	7439-97-6	
8270E MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270E Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.067	mg/kg	0.22	0.067	1	11/01/21 13:48	11/02/21 13:50	83-32-9	
Acenaphthylene	<0.068	mg/kg	0.23	0.068	1	11/01/21 13:48	11/02/21 13:50	208-96-8	
Anthracene	<0.030	mg/kg	0.10	0.030	1	11/01/21 13:48	11/02/21 13:50	120-12-7	
Benzo(a)anthracene	<0.029	mg/kg	0.098	0.029	1	11/01/21 13:48	11/02/21 13:50	56-55-3	
Benzo(a)pyrene	<0.028	mg/kg	0.095	0.028	1	11/01/21 13:48	11/02/21 13:50	50-32-8	
Benzo(b)fluoranthene	<0.033	mg/kg	0.11	0.033	1	11/01/21 13:48	11/02/21 13:50	205-99-2	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-9 (9-10) **Lab ID: 40235717032** Collected: 10/21/21 13:37 Received: 10/23/21 08:55 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
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8270E MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270E Preparation Method: EPA 3546

Pace Analytical Services - Green Bay

Benzo(g,h,i)perylene	<0.050	mg/kg	0.17	0.050	1	11/01/21 13:48	11/02/21 13:50	191-24-2	
Benzo(k)fluoranthene	<0.045	mg/kg	0.15	0.045	1	11/01/21 13:48	11/02/21 13:50	207-08-9	
Chrysene	<0.028	mg/kg	0.094	0.028	1	11/01/21 13:48	11/02/21 13:50	218-01-9	
Dibenz(a,h)anthracene	<0.051	mg/kg	0.17	0.051	1	11/01/21 13:48	11/02/21 13:50	53-70-3	
1,4-Dioxane (p-Dioxane)	<0.10	mg/kg	0.34	0.10	1	11/01/21 13:48	11/02/21 13:50	123-91-1	
Fluoranthene	<0.027	mg/kg	0.089	0.027	1	11/01/21 13:48	11/02/21 13:50	206-44-0	
Fluorene	<0.022	mg/kg	0.074	0.022	1	11/01/21 13:48	11/02/21 13:50	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.041	mg/kg	0.14	0.041	1	11/01/21 13:48	11/02/21 13:50	193-39-5	
1-Methylnaphthalene	<0.054	mg/kg	0.18	0.054	1	11/01/21 13:48	11/02/21 13:50	90-12-0	
2-Methylnaphthalene	<0.049	mg/kg	0.16	0.049	1	11/01/21 13:48	11/02/21 13:50	91-57-6	
Naphthalene	<0.066	mg/kg	0.22	0.066	1	11/01/21 13:48	11/02/21 13:50	91-20-3	
Phenanthrene	<0.024	mg/kg	0.081	0.024	1	11/01/21 13:48	11/02/21 13:50	85-01-8	
Pyrene	<0.042	mg/kg	0.14	0.042	1	11/01/21 13:48	11/02/21 13:50	129-00-0	

Surrogates

Nitrobenzene-d5 (S)	90	%	40-96		1	11/01/21 13:48	11/02/21 13:50	4165-60-0	
2-Fluorobiphenyl (S)	80	%	14-110		1	11/01/21 13:48	11/02/21 13:50	321-60-8	
Terphenyl-d14 (S)	95	%	10-121		1	11/01/21 13:48	11/02/21 13:50	1718-51-0	
Phenol-d6 (S)	85	%	14-104		1	11/01/21 13:48	11/02/21 13:50	13127-88-3	
2-Fluorophenol (S)	89	%	10-112		1	11/01/21 13:48	11/02/21 13:50	367-12-4	
2,4,6-Tribromophenol (S)	91	%	10-128		1	11/01/21 13:48	11/02/21 13:50	118-79-6	

8260 MSV Med Level Full List

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Pace Analytical Services - Green Bay

Benzene	<0.015	mg/kg	0.025	0.015	1	10/29/21 09:30	11/01/21 13:28	71-43-2	
Bromobenzene	<0.025	mg/kg	0.063	0.025	1	10/29/21 09:30	11/01/21 13:28	108-86-1	
Bromochloromethane	<0.017	mg/kg	0.063	0.017	1	10/29/21 09:30	11/01/21 13:28	74-97-5	
Bromodichloromethane	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	75-27-4	
Bromoform	<0.28	mg/kg	0.32	0.28	1	10/29/21 09:30	11/01/21 13:28	75-25-2	
Bromomethane	<0.089	mg/kg	0.32	0.089	1	10/29/21 09:30	11/01/21 13:28	74-83-9	
n-Butylbenzene	<0.029	mg/kg	0.063	0.029	1	10/29/21 09:30	11/01/21 13:28	104-51-8	
sec-Butylbenzene	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	135-98-8	
tert-Butylbenzene	<0.020	mg/kg	0.063	0.020	1	10/29/21 09:30	11/01/21 13:28	98-06-6	
Carbon tetrachloride	<0.014	mg/kg	0.063	0.014	1	10/29/21 09:30	11/01/21 13:28	56-23-5	
Chlorobenzene	<0.0076	mg/kg	0.063	0.0076	1	10/29/21 09:30	11/01/21 13:28	108-90-7	
Chloroethane	<0.027	mg/kg	0.32	0.027	1	10/29/21 09:30	11/01/21 13:28	75-00-3	
Chloroform	<0.045	mg/kg	0.32	0.045	1	10/29/21 09:30	11/01/21 13:28	67-66-3	
Chloromethane	<0.024	mg/kg	0.063	0.024	1	10/29/21 09:30	11/01/21 13:28	74-87-3	
2-Chlorotoluene	<0.021	mg/kg	0.063	0.021	1	10/29/21 09:30	11/01/21 13:28	95-49-8	
4-Chlorotoluene	<0.024	mg/kg	0.063	0.024	1	10/29/21 09:30	11/01/21 13:28	106-43-4	
1,2-Dibromo-3-chloropropane	<0.049	mg/kg	0.32	0.049	1	10/29/21 09:30	11/01/21 13:28	96-12-8	
Dibromochloromethane	<0.22	mg/kg	0.32	0.22	1	10/29/21 09:30	11/01/21 13:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.017	mg/kg	0.063	0.017	1	10/29/21 09:30	11/01/21 13:28	106-93-4	
Dibromomethane	<0.019	mg/kg	0.063	0.019	1	10/29/21 09:30	11/01/21 13:28	74-95-3	
1,2-Dichlorobenzene	<0.020	mg/kg	0.063	0.020	1	10/29/21 09:30	11/01/21 13:28	95-50-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-9 (9-10) **Lab ID: 40235717032** Collected: 10/21/21 13:37 Received: 10/23/21 08:55 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
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,3-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/29/21 09:30	11/01/21 13:28	541-73-1	
1,4-Dichlorobenzene	<0.017	mg/kg	0.063	0.017	1	10/29/21 09:30	11/01/21 13:28	106-46-7	
Dichlorodifluoromethane	<0.027	mg/kg	0.063	0.027	1	10/29/21 09:30	11/01/21 13:28	75-71-8	
1,1-Dichloroethane	<0.016	mg/kg	0.063	0.016	1	10/29/21 09:30	11/01/21 13:28	75-34-3	
1,2-Dichloroethane	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	107-06-2	
1,1-Dichloroethene	<0.021	mg/kg	0.063	0.021	1	10/29/21 09:30	11/01/21 13:28	75-35-4	
cis-1,2-Dichloroethene	<0.014	mg/kg	0.063	0.014	1	10/29/21 09:30	11/01/21 13:28	156-59-2	
trans-1,2-Dichloroethene	<0.014	mg/kg	0.063	0.014	1	10/29/21 09:30	11/01/21 13:28	156-60-5	
1,2-Dichloropropane	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	78-87-5	
1,3-Dichloropropane	<0.014	mg/kg	0.063	0.014	1	10/29/21 09:30	11/01/21 13:28	142-28-9	
2,2-Dichloropropane	<0.017	mg/kg	0.063	0.017	1	10/29/21 09:30	11/01/21 13:28	594-20-7	
1,1-Dichloropropene	<0.021	mg/kg	0.063	0.021	1	10/29/21 09:30	11/01/21 13:28	563-58-6	
cis-1,3-Dichloropropene	<0.042	mg/kg	0.32	0.042	1	10/29/21 09:30	11/01/21 13:28	10061-01-5	
trans-1,3-Dichloropropene	<0.18	mg/kg	0.32	0.18	1	10/29/21 09:30	11/01/21 13:28	10061-02-6	
Diisopropyl ether	<0.016	mg/kg	0.063	0.016	1	10/29/21 09:30	11/01/21 13:28	108-20-3	
Ethylbenzene	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	100-41-4	
Hexachloro-1,3-butadiene	<0.13	mg/kg	0.32	0.13	1	10/29/21 09:30	11/01/21 13:28	87-68-3	
Isopropylbenzene (Cumene)	<0.017	mg/kg	0.063	0.017	1	10/29/21 09:30	11/01/21 13:28	98-82-8	
p-Isopropyltoluene	<0.019	mg/kg	0.063	0.019	1	10/29/21 09:30	11/01/21 13:28	99-87-6	
Methylene Chloride	<0.018	mg/kg	0.063	0.018	1	10/29/21 09:30	11/01/21 13:28	75-09-2	
Methyl-tert-butyl ether	<0.019	mg/kg	0.063	0.019	1	10/29/21 09:30	11/01/21 13:28	1634-04-4	
Naphthalene	<0.020	mg/kg	0.32	0.020	1	10/29/21 09:30	11/01/21 13:28	91-20-3	
n-Propylbenzene	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	103-65-1	
Styrene	<0.016	mg/kg	0.063	0.016	1	10/29/21 09:30	11/01/21 13:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.015	mg/kg	0.063	0.015	1	10/29/21 09:30	11/01/21 13:28	630-20-6	
1,1,2,2-Tetrachloroethane	<0.023	mg/kg	0.063	0.023	1	10/29/21 09:30	11/01/21 13:28	79-34-5	
Tetrachloroethene	<0.025	mg/kg	0.063	0.025	1	10/29/21 09:30	11/01/21 13:28	127-18-4	
Toluene	<0.016	mg/kg	0.063	0.016	1	10/29/21 09:30	11/01/21 13:28	108-88-3	
1,2,3-Trichlorobenzene	<0.071	mg/kg	0.32	0.071	1	10/29/21 09:30	11/01/21 13:28	87-61-6	
1,2,4-Trichlorobenzene	<0.052	mg/kg	0.32	0.052	1	10/29/21 09:30	11/01/21 13:28	120-82-1	
1,1,1-Trichloroethane	<0.016	mg/kg	0.063	0.016	1	10/29/21 09:30	11/01/21 13:28	71-55-6	
1,1,2-Trichloroethane	<0.023	mg/kg	0.063	0.023	1	10/29/21 09:30	11/01/21 13:28	79-00-5	
Trichloroethene	<0.024	mg/kg	0.063	0.024	1	10/29/21 09:30	11/01/21 13:28	79-01-6	
Trichlorofluoromethane	<0.018	mg/kg	0.063	0.018	1	10/29/21 09:30	11/01/21 13:28	75-69-4	
1,2,3-Trichloropropane	<0.031	mg/kg	0.063	0.031	1	10/29/21 09:30	11/01/21 13:28	96-18-4	
1,2,4-Trimethylbenzene	0.027J	mg/kg	0.063	0.019	1	10/29/21 09:30	11/01/21 13:28	95-63-6	
1,3,5-Trimethylbenzene	<0.020	mg/kg	0.063	0.020	1	10/29/21 09:30	11/01/21 13:28	108-67-8	
Vinyl chloride	<0.013	mg/kg	0.063	0.013	1	10/29/21 09:30	11/01/21 13:28	75-01-4	
m&p-Xylene	<0.027	mg/kg	0.13	0.027	1	10/29/21 09:30	11/01/21 13:28	179601-23-1	
o-Xylene	<0.019	mg/kg	0.063	0.019	1	10/29/21 09:30	11/01/21 13:28	95-47-6	
Surrogates									
Toluene-d8 (S)	124	%	67-159		1	10/29/21 09:30	11/01/21 13:28	2037-26-5	
4-Bromofluorobenzene (S)	90	%	66-153		1	10/29/21 09:30	11/01/21 13:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	82-158		1	10/29/21 09:30	11/01/21 13:28	2199-69-1	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Sample: SB-9 (9-10) **Lab ID: 40235717032** Collected: 10/21/21 13:37 Received: 10/23/21 08:55 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
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	11.8	%	0.10	0.10	1		10/26/21 09:36		

Sample: TRIP BLANK **Lab ID: 40235717033** Collected: 10/21/21 00:00 Received: 10/23/21 08:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<0.012	mg/kg	0.020	0.012	1	10/29/21 09:30	11/01/21 12:48	71-43-2	
Bromobenzene	<0.020	mg/kg	0.050	0.020	1	10/29/21 09:30	11/01/21 12:48	108-86-1	
Bromochloromethane	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	74-97-5	
Bromodichloromethane	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	75-27-4	
Bromoform	<0.22	mg/kg	0.25	0.22	1	10/29/21 09:30	11/01/21 12:48	75-25-2	
Bromomethane	<0.070	mg/kg	0.25	0.070	1	10/29/21 09:30	11/01/21 12:48	74-83-9	
n-Butylbenzene	<0.023	mg/kg	0.050	0.023	1	10/29/21 09:30	11/01/21 12:48	104-51-8	
sec-Butylbenzene	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	135-98-8	
tert-Butylbenzene	<0.016	mg/kg	0.050	0.016	1	10/29/21 09:30	11/01/21 12:48	98-06-6	
Carbon tetrachloride	<0.011	mg/kg	0.050	0.011	1	10/29/21 09:30	11/01/21 12:48	56-23-5	
Chlorobenzene	<0.0060	mg/kg	0.050	0.0060	1	10/29/21 09:30	11/01/21 12:48	108-90-7	
Chloroethane	<0.021	mg/kg	0.25	0.021	1	10/29/21 09:30	11/01/21 12:48	75-00-3	
Chloroform	<0.036	mg/kg	0.25	0.036	1	10/29/21 09:30	11/01/21 12:48	67-66-3	
Chloromethane	<0.019	mg/kg	0.050	0.019	1	10/29/21 09:30	11/01/21 12:48	74-87-3	
2-Chlorotoluene	<0.016	mg/kg	0.050	0.016	1	10/29/21 09:30	11/01/21 12:48	95-49-8	
4-Chlorotoluene	<0.019	mg/kg	0.050	0.019	1	10/29/21 09:30	11/01/21 12:48	106-43-4	
1,2-Dibromo-3-chloropropane	<0.039	mg/kg	0.25	0.039	1	10/29/21 09:30	11/01/21 12:48	96-12-8	
Dibromochloromethane	<0.17	mg/kg	0.25	0.17	1	10/29/21 09:30	11/01/21 12:48	124-48-1	
1,2-Dibromoethane (EDB)	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	106-93-4	
Dibromomethane	<0.015	mg/kg	0.050	0.015	1	10/29/21 09:30	11/01/21 12:48	74-95-3	
1,2-Dichlorobenzene	<0.016	mg/kg	0.050	0.016	1	10/29/21 09:30	11/01/21 12:48	95-50-1	
1,3-Dichlorobenzene	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	541-73-1	
1,4-Dichlorobenzene	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	106-46-7	
Dichlorodifluoromethane	<0.022	mg/kg	0.050	0.022	1	10/29/21 09:30	11/01/21 12:48	75-71-8	
1,1-Dichloroethane	<0.013	mg/kg	0.050	0.013	1	10/29/21 09:30	11/01/21 12:48	75-34-3	
1,2-Dichloroethane	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	107-06-2	
1,1-Dichloroethene	<0.017	mg/kg	0.050	0.017	1	10/29/21 09:30	11/01/21 12:48	75-35-4	
cis-1,2-Dichloroethene	<0.011	mg/kg	0.050	0.011	1	10/29/21 09:30	11/01/21 12:48	156-59-2	
trans-1,2-Dichloroethene	<0.011	mg/kg	0.050	0.011	1	10/29/21 09:30	11/01/21 12:48	156-60-5	
1,2-Dichloropropane	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	78-87-5	
1,3-Dichloropropane	<0.011	mg/kg	0.050	0.011	1	10/29/21 09:30	11/01/21 12:48	142-28-9	
2,2-Dichloropropane	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	594-20-7	
1,1-Dichloropropene	<0.016	mg/kg	0.050	0.016	1	10/29/21 09:30	11/01/21 12:48	563-58-6	
cis-1,3-Dichloropropene	<0.033	mg/kg	0.25	0.033	1	10/29/21 09:30	11/01/21 12:48	10061-01-5	

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ANALYTICAL RESULTS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Sample: TRIP BLANK **Lab ID: 40235717033** Collected: 10/21/21 00:00 Received: 10/23/21 08:55 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
trans-1,3-Dichloropropene	<0.14	mg/kg	0.25	0.14	1	10/29/21 09:30	11/01/21 12:48	10061-02-6	
Diisopropyl ether	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	108-20-3	
Ethylbenzene	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	100-41-4	
Hexachloro-1,3-butadiene	<0.099	mg/kg	0.25	0.099	1	10/29/21 09:30	11/01/21 12:48	87-68-3	
Isopropylbenzene (Cumene)	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	98-82-8	
p-Isopropyltoluene	<0.015	mg/kg	0.050	0.015	1	10/29/21 09:30	11/01/21 12:48	99-87-6	
Methylene Chloride	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	75-09-2	
Methyl-tert-butyl ether	<0.015	mg/kg	0.050	0.015	1	10/29/21 09:30	11/01/21 12:48	1634-04-4	
Naphthalene	<0.016	mg/kg	0.25	0.016	1	10/29/21 09:30	11/01/21 12:48	91-20-3	
n-Propylbenzene	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	103-65-1	
Styrene	<0.013	mg/kg	0.050	0.013	1	10/29/21 09:30	11/01/21 12:48	100-42-5	
1,1,1,2-Tetrachloroethane	<0.012	mg/kg	0.050	0.012	1	10/29/21 09:30	11/01/21 12:48	630-20-6	
1,1,2,2-Tetrachloroethane	<0.018	mg/kg	0.050	0.018	1	10/29/21 09:30	11/01/21 12:48	79-34-5	
Tetrachloroethene	<0.019	mg/kg	0.050	0.019	1	10/29/21 09:30	11/01/21 12:48	127-18-4	
Toluene	<0.013	mg/kg	0.050	0.013	1	10/29/21 09:30	11/01/21 12:48	108-88-3	
1,2,3-Trichlorobenzene	<0.056	mg/kg	0.25	0.056	1	10/29/21 09:30	11/01/21 12:48	87-61-6	
1,2,4-Trichlorobenzene	<0.041	mg/kg	0.25	0.041	1	10/29/21 09:30	11/01/21 12:48	120-82-1	
1,1,1-Trichloroethane	<0.013	mg/kg	0.050	0.013	1	10/29/21 09:30	11/01/21 12:48	71-55-6	
1,1,2-Trichloroethane	<0.018	mg/kg	0.050	0.018	1	10/29/21 09:30	11/01/21 12:48	79-00-5	
Trichloroethene	<0.019	mg/kg	0.050	0.019	1	10/29/21 09:30	11/01/21 12:48	79-01-6	
Trichlorofluoromethane	<0.014	mg/kg	0.050	0.014	1	10/29/21 09:30	11/01/21 12:48	75-69-4	
1,2,3-Trichloropropane	<0.024	mg/kg	0.050	0.024	1	10/29/21 09:30	11/01/21 12:48	96-18-4	
1,2,4-Trimethylbenzene	<0.015	mg/kg	0.050	0.015	1	10/29/21 09:30	11/01/21 12:48	95-63-6	
1,3,5-Trimethylbenzene	<0.016	mg/kg	0.050	0.016	1	10/29/21 09:30	11/01/21 12:48	108-67-8	
Vinyl chloride	<0.010	mg/kg	0.050	0.010	1	10/29/21 09:30	11/01/21 12:48	75-01-4	
m&p-Xylene	<0.021	mg/kg	0.10	0.021	1	10/29/21 09:30	11/01/21 12:48	179601-23-1	
o-Xylene	<0.015	mg/kg	0.050	0.015	1	10/29/21 09:30	11/01/21 12:48	95-47-6	
Surrogates									
Toluene-d8 (S)	100	%	67-159		1	10/29/21 09:30	11/01/21 12:48	2037-26-5	
4-Bromofluorobenzene (S)	75	%	66-153		1	10/29/21 09:30	11/01/21 12:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	88	%	82-158		1	10/29/21 09:30	11/01/21 12:48	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	400189	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007

METHOD BLANK: 2311467 Matrix: Solid
Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.0060	0.021	11/02/21 10:00	

LABORATORY CONTROL SAMPLE: 2311468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.5	0.51	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311469 2311470

Parameter	Units	2311469		2311470		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40235702001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Mercury	mg/kg	0.039	0.9	0.9	0.94	0.94	100	99	85-115	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

QC Batch: 400190

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

METHOD BLANK: 2311471

Matrix: Solid

Associated Lab Samples: 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	11/03/21 09:48	

LABORATORY CONTROL SAMPLE: 2311472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.83	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311473 2311474

Parameter	Units	40235479004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Mercury	mg/kg	0.089	1.5	1.5	1.6	1.6	98	99	85-115	1	20	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

QC Batch:	400193	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

METHOD BLANK: 2311479 Matrix: Solid

Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	11/03/21 10:53	

LABORATORY CONTROL SAMPLE: 2311480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.83	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311481 2311482

Parameter	Units	40235717021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.035J	1	1	1.1	1.1	102	105	85-115	3	20	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	399616	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3050B	Analysis Description:	6010D MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

METHOD BLANK: 2307421 Matrix: Solid
Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	10/26/21 18:12	
Barium	mg/kg	<0.15	0.50	10/26/21 18:12	
Cadmium	mg/kg	<0.13	0.50	10/26/21 18:12	
Chromium	mg/kg	<0.28	1.0	10/26/21 18:12	
Lead	mg/kg	<0.60	2.0	10/26/21 18:12	
Selenium	mg/kg	<1.3	4.0	10/26/21 18:12	
Silver	mg/kg	<0.31	1.0	10/26/21 18:12	

LABORATORY CONTROL SAMPLE: 2307422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	23.9	96	80-120	
Barium	mg/kg	25	25.6	102	80-120	
Cadmium	mg/kg	25	25.1	100	80-120	
Chromium	mg/kg	25	23.3	93	80-120	
Lead	mg/kg	25	24.5	98	80-120	
Selenium	mg/kg	25	24.0	96	80-120	
Silver	mg/kg	12.5	11.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2307423 2307424

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235717001 Result	Spike Conc.	Spike Conc.	Conc.								
Arsenic	mg/kg	2.7J	28.7	28.7	28.7	31.1	31.7	99	101	75-125	2	20	
Barium	mg/kg	44.9	28.7	28.7	28.7	87.1	89.3	147	155	75-125	2	20 M0	
Cadmium	mg/kg	<0.15	28.7	28.7	28.7	28.9	29.0	100	101	75-125	0	20	
Chromium	mg/kg	13.9	28.7	28.7	28.7	41.2	43.1	95	102	75-125	4	20	
Lead	mg/kg	5.3	28.7	28.7	28.7	32.0	32.2	93	94	75-125	1	20	
Selenium	mg/kg	<1.5	28.7	28.7	28.7	27.1	27.4	95	96	75-125	1	20	
Silver	mg/kg	<0.35	14.3	14.3	14.3	14.0	14.1	98	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

QC Batch: 399617

Analysis Method: EPA 6010D

QC Batch Method: EPA 3050B

Analysis Description: 6010D MET

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

METHOD BLANK: 2307425

Matrix: Solid

Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	10/26/21 13:54	
Barium	mg/kg	<0.15	0.50	10/26/21 13:54	
Cadmium	mg/kg	<0.13	0.50	10/26/21 13:54	
Chromium	mg/kg	<0.28	1.0	10/26/21 13:54	
Lead	mg/kg	<0.60	2.0	10/26/21 13:54	
Selenium	mg/kg	<1.3	4.0	10/26/21 13:54	
Silver	mg/kg	<0.31	1.0	10/26/21 13:54	

LABORATORY CONTROL SAMPLE: 2307426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	24.6	98	80-120	
Barium	mg/kg	25	25.2	101	80-120	
Cadmium	mg/kg	25	25.4	102	80-120	
Chromium	mg/kg	25	25.0	100	80-120	
Lead	mg/kg	25	25.8	103	80-120	
Selenium	mg/kg	25	25.5	102	80-120	
Silver	mg/kg	12.5	12.3	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2307427 2307428

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235717021 Result	Spike Conc.	Spike Conc.	Conc.								
Arsenic	mg/kg	4.3	30	29.9	35.0	30.4	102	87	75-125	14	20		
Barium	mg/kg	102	30	29.9	159	163	189	203	75-125	3	20	M0	
Cadmium	mg/kg	0.35J	30	29.9	29.1	28.9	96	95	75-125	1	20		
Chromium	mg/kg	24.2	30	29.9	60.8	55.3	122	104	75-125	9	20		
Lead	mg/kg	13.1	30	29.9	40.1	39.4	90	88	75-125	2	20		
Selenium	mg/kg	<1.6	30	29.9	28.8	28.1	96	93	75-125	3	20		
Silver	mg/kg	<0.37	15	15	14.2	14.1	94	94	75-125	0	20		

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	399668	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Full List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

METHOD BLANK: 2307672 Matrix: Solid
Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	<0.012	0.050	10/27/21 17:38	
1,1,1-Trichloroethane	mg/kg	<0.013	0.050	10/27/21 17:38	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	10/27/21 17:38	
1,1,2-Trichloroethane	mg/kg	<0.018	0.050	10/27/21 17:38	
1,1-Dichloroethane	mg/kg	<0.013	0.050	10/27/21 17:38	
1,1-Dichloroethene	mg/kg	<0.017	0.050	10/27/21 17:38	
1,1-Dichloropropene	mg/kg	<0.016	0.050	10/27/21 17:38	
1,2,3-Trichlorobenzene	mg/kg	<0.056	0.25	10/27/21 17:38	
1,2,3-Trichloropropane	mg/kg	<0.024	0.050	10/27/21 17:38	
1,2,4-Trichlorobenzene	mg/kg	<0.041	0.25	10/27/21 17:38	
1,2,4-Trimethylbenzene	mg/kg	<0.015	0.050	10/27/21 17:38	
1,2-Dibromo-3-chloropropane	mg/kg	<0.039	0.25	10/27/21 17:38	
1,2-Dibromoethane (EDB)	mg/kg	<0.014	0.050	10/27/21 17:38	
1,2-Dichlorobenzene	mg/kg	<0.016	0.050	10/27/21 17:38	
1,2-Dichloroethane	mg/kg	<0.012	0.050	10/27/21 17:38	
1,2-Dichloropropane	mg/kg	<0.012	0.050	10/27/21 17:38	
1,3,5-Trimethylbenzene	mg/kg	<0.016	0.050	10/27/21 17:38	
1,3-Dichlorobenzene	mg/kg	<0.014	0.050	10/27/21 17:38	
1,3-Dichloropropane	mg/kg	<0.011	0.050	10/27/21 17:38	
1,4-Dichlorobenzene	mg/kg	<0.014	0.050	10/27/21 17:38	
2,2-Dichloropropane	mg/kg	<0.014	0.050	10/27/21 17:38	
2-Chlorotoluene	mg/kg	<0.016	0.050	10/27/21 17:38	
4-Chlorotoluene	mg/kg	<0.019	0.050	10/27/21 17:38	
Benzene	mg/kg	<0.012	0.020	10/27/21 17:38	
Bromobenzene	mg/kg	<0.020	0.050	10/27/21 17:38	
Bromochloromethane	mg/kg	<0.014	0.050	10/27/21 17:38	
Bromodichloromethane	mg/kg	<0.012	0.050	10/27/21 17:38	
Bromoform	mg/kg	<0.22	0.25	10/27/21 17:38	
Bromomethane	mg/kg	<0.070	0.25	10/27/21 17:38	
Carbon tetrachloride	mg/kg	<0.011	0.050	10/27/21 17:38	
Chlorobenzene	mg/kg	<0.0060	0.050	10/27/21 17:38	
Chloroethane	mg/kg	<0.021	0.25	10/27/21 17:38	
Chloroform	mg/kg	<0.036	0.25	10/27/21 17:38	
Chloromethane	mg/kg	<0.019	0.050	10/27/21 17:38	
cis-1,2-Dichloroethene	mg/kg	<0.011	0.050	10/27/21 17:38	
cis-1,3-Dichloropropene	mg/kg	<0.033	0.25	10/27/21 17:38	
Dibromochloromethane	mg/kg	<0.17	0.25	10/27/21 17:38	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

METHOD BLANK: 2307672

Matrix: Solid

Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	mg/kg	<0.015	0.050	10/27/21 17:38	
Dichlorodifluoromethane	mg/kg	<0.022	0.050	10/27/21 17:38	
Diisopropyl ether	mg/kg	<0.012	0.050	10/27/21 17:38	
Ethylbenzene	mg/kg	<0.012	0.050	10/27/21 17:38	
Hexachloro-1,3-butadiene	mg/kg	<0.099	0.25	10/27/21 17:38	
Isopropylbenzene (Cumene)	mg/kg	<0.014	0.050	10/27/21 17:38	
m&p-Xylene	mg/kg	<0.021	0.10	10/27/21 17:38	
Methyl-tert-butyl ether	mg/kg	<0.015	0.050	10/27/21 17:38	
Methylene Chloride	mg/kg	<0.014	0.050	10/27/21 17:38	
n-Butylbenzene	mg/kg	<0.023	0.050	10/27/21 17:38	
n-Propylbenzene	mg/kg	<0.012	0.050	10/27/21 17:38	
Naphthalene	mg/kg	<0.016	0.25	10/27/21 17:38	
o-Xylene	mg/kg	<0.015	0.050	10/27/21 17:38	
p-Isopropyltoluene	mg/kg	<0.015	0.050	10/27/21 17:38	
sec-Butylbenzene	mg/kg	<0.012	0.050	10/27/21 17:38	
Styrene	mg/kg	<0.013	0.050	10/27/21 17:38	
tert-Butylbenzene	mg/kg	<0.016	0.050	10/27/21 17:38	
Tetrachloroethene	mg/kg	<0.019	0.050	10/27/21 17:38	
Toluene	mg/kg	<0.013	0.050	10/27/21 17:38	
trans-1,2-Dichloroethene	mg/kg	<0.011	0.050	10/27/21 17:38	
trans-1,3-Dichloropropene	mg/kg	<0.14	0.25	10/27/21 17:38	
Trichloroethene	mg/kg	<0.019	0.050	10/27/21 17:38	
Trichlorofluoromethane	mg/kg	<0.014	0.050	10/27/21 17:38	
Vinyl chloride	mg/kg	<0.010	0.050	10/27/21 17:38	
1,2-Dichlorobenzene-d4 (S)	%	107	82-158	10/27/21 17:38	
4-Bromofluorobenzene (S)	%	112	66-153	10/27/21 17:38	
Toluene-d8 (S)	%	107	67-159	10/27/21 17:38	

LABORATORY CONTROL SAMPLE: 2307673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.8	113	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.6	102	65-129	
1,1,2-Trichloroethane	mg/kg	2.5	2.6	103	70-130	
1,1-Dichloroethane	mg/kg	2.5	2.6	105	70-130	
1,1-Dichloroethene	mg/kg	2.5	2.7	107	67-120	
1,2,4-Trichlorobenzene	mg/kg	2.5	2.2	87	64-130	
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.5	101	57-119	
1,2-Dibromoethane (EDB)	mg/kg	2.5	2.5	100	70-130	
1,2-Dichlorobenzene	mg/kg	2.5	2.4	97	70-130	
1,2-Dichloroethane	mg/kg	2.5	2.8	111	70-130	
1,2-Dichloropropane	mg/kg	2.5	2.5	101	72-118	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

LABORATORY CONTROL SAMPLE: 2307673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	mg/kg	2.5	2.5	99	70-130	
1,4-Dichlorobenzene	mg/kg	2.5	2.4	96	70-130	
Benzene	mg/kg	2.5	2.6	105	70-130	
Bromodichloromethane	mg/kg	2.5	2.7	107	70-130	
Bromoform	mg/kg	2.5	2.1	85	66-130	
Bromomethane	mg/kg	2.5	2.8	111	13-153	
Carbon tetrachloride	mg/kg	2.5	2.7	110	73-134	
Chlorobenzene	mg/kg	2.5	2.6	104	70-130	
Chloroethane	mg/kg	2.5	2.5	101	19-170	
Chloroform	mg/kg	2.5	2.8	112	79-120	
Chloromethane	mg/kg	2.5	2.0	81	45-117	
cis-1,2-Dichloroethene	mg/kg	2.5	2.5	101	70-130	
cis-1,3-Dichloropropene	mg/kg	2.5	2.5	101	68-130	
Dibromochloromethane	mg/kg	2.5	2.4	98	70-130	
Dichlorodifluoromethane	mg/kg	2.5	2.0	80	15-135	
Ethylbenzene	mg/kg	2.5	2.7	106	78-120	
Isopropylbenzene (Cumene)	mg/kg	2.5	2.7	106	70-130	
m&p-Xylene	mg/kg	5	5.0	100	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.3	93	65-130	
Methylene Chloride	mg/kg	2.5	2.7	108	70-130	
o-Xylene	mg/kg	2.5	2.5	101	70-130	
Styrene	mg/kg	2.5	2.6	104	70-130	
Tetrachloroethene	mg/kg	2.5	2.5	102	70-130	
Toluene	mg/kg	2.5	2.4	98	76-120	
trans-1,2-Dichloroethene	mg/kg	2.5	2.7	107	70-130	
trans-1,3-Dichloropropene	mg/kg	2.5	2.4	94	70-130	
Trichloroethene	mg/kg	2.5	2.8	111	70-130	
Trichlorofluoromethane	mg/kg	2.5	2.4	95	49-153	
Vinyl chloride	mg/kg	2.5	2.5	100	58-121	
1,2-Dichlorobenzene-d4 (S)	%			101	82-158	
4-Bromofluorobenzene (S)	%			115	66-153	
Toluene-d8 (S)	%			103	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2307674 2307675

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40235717003 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	mg/kg	<0.019	1.5	1.5	1.3	1.2	93	84	70-130	10	20	
1,1,2,2-Tetrachloroethane	mg/kg	<0.026	1.5	1.5	1.3	1.2	92	84	65-129	9	20	
1,1,2-Trichloroethane	mg/kg	<0.026	1.5	1.5	1.4	1.2	95	86	70-130	9	20	
1,1-Dichloroethane	mg/kg	<0.019	1.5	1.5	1.3	1.2	93	83	70-130	12	20	
1,1-Dichloroethene	mg/kg	<0.024	1.5	1.5	1.3	1.2	88	80	64-120	10	20	
1,2,4-Trichlorobenzene	mg/kg	<0.060	1.5	1.5	1.3	1.2	91	82	64-130	10	20	
1,2-Dibromo-3-chloropropane	mg/kg	<0.056	1.5	1.5	1.2	1.2	86	82	57-130	5	21	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2307674												2307675											
Parameter	Units	40235717003		MS	MSD	MS		MSD		% Rec	% Rec	Limits	RPD	Max	RPD	Qual							
		Result	Conc.	Spike	Conc.	Result	Result	% Rec	% Rec														
1,2-Dibromoethane (EDB)	mg/kg	<0.020	1.5	1.5	1.3	1.2	91	84	70-130	7	20												
1,2-Dichlorobenzene	mg/kg	<0.022	1.5	1.5	1.3	1.3	91	87	70-130	4	20												
1,2-Dichloroethane	mg/kg	<0.017	1.5	1.5	1.5	1.3	103	92	70-130	11	20												
1,2-Dichloropropane	mg/kg	<0.017	1.5	1.5	1.3	1.2	91	82	72-122	10	20												
1,3-Dichlorobenzene	mg/kg	<0.020	1.5	1.5	1.3	1.2	90	83	70-130	7	20												
1,4-Dichlorobenzene	mg/kg	<0.020	1.5	1.5	1.3	1.2	90	85	70-130	6	20												
Benzene	mg/kg	<0.017	1.5	1.5	1.3	1.2	92	82	70-130	11	20												
Bromodichloromethane	mg/kg	<0.017	1.5	1.5	1.3	1.2	93	83	70-130	11	20												
Bromoform	mg/kg	<0.32	1.5	1.5	1.3	1.2	88	84	66-130	5	20												
Bromomethane	mg/kg	<0.10	1.5	1.5	1.3	1.2	90	83	13-153	8	20												
Carbon tetrachloride	mg/kg	<0.016	1.5	1.5	1.3	1.2	93	81	67-134	13	20												
Chlorobenzene	mg/kg	<0.0087	1.5	1.5	1.4	1.3	96	87	70-130	10	20												
Chloroethane	mg/kg	<0.031	1.5	1.5	1.4	1.2	93	81	11-195	14	20												
Chloroform	mg/kg	<0.052	1.5	1.5	1.5	1.3	100	90	79-120	10	20												
Chloromethane	mg/kg	<0.028	1.5	1.5	0.90	0.85	62	58	30-136	6	20												
cis-1,2-Dichloroethene	mg/kg	<0.016	1.5	1.5	1.3	1.1	91	78	70-130	16	20												
cis-1,3-Dichloropropene	mg/kg	<0.048	1.5	1.5	1.2	1.1	85	77	68-130	10	20												
Dibromochloromethane	mg/kg	<0.25	1.5	1.5	1.2	1.1	83	75	70-130	10	20												
Dichlorodifluoromethane	mg/kg	<0.031	1.5	1.5	0.76	0.67	52	46	10-158	12	25												
Ethylbenzene	mg/kg	<0.017	1.5	1.5	1.3	1.2	89	82	78-120	8	20												
Isopropylbenzene (Cumene)	mg/kg	<0.020	1.5	1.5	1.2	1.2	86	81	70-130	7	20												
m&p-Xylene	mg/kg	<0.031	2.9	2.9	2.5	2.4	87	81	70-130	6	20												
Methyl-tert-butyl ether	mg/kg	<0.021	1.5	1.5	1.2	1.1	83	75	65-130	10	20												
Methylene Chloride	mg/kg	<0.020	1.5	1.5	1.4	1.2	98	85	70-130	14	20												
o-Xylene	mg/kg	<0.022	1.5	1.5	1.3	1.2	88	82	70-130	7	20												
Styrene	mg/kg	<0.019	1.5	1.5	1.3	1.2	87	81	70-130	7	20												
Tetrachloroethene	mg/kg	<0.028	1.5	1.5	1.4	1.2	95	85	70-130	11	20												
Toluene	mg/kg	<0.018	1.5	1.5	1.3	1.2	91	82	76-120	10	20												
trans-1,2-Dichloroethene	mg/kg	<0.016	1.5	1.5	1.3	1.2	93	81	70-130	13	20												
trans-1,3-Dichloropropene	mg/kg	<0.21	1.5	1.5	1.1	1.1	77	74	70-130	4	20												
Trichloroethene	mg/kg	<0.027	1.5	1.5	1.4	1.3	97	90	70-130	8	20												
Trichlorofluoromethane	mg/kg	<0.021	1.5	1.5	1.1	0.99	76	68	42-159	11	21												
Vinyl chloride	mg/kg	<0.015	1.5	1.5	1.2	0.98	80	68	43-137	16	20												
1,2-Dichlorobenzene-d4 (S)	%						127	132	82-158														
4-Bromofluorobenzene (S)	%						143	147	66-153														
Toluene-d8 (S)	%						134	139	67-159														

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	400003	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Full List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031

METHOD BLANK: 2309691 Matrix: Solid
Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	<0.012	0.050	10/29/21 11:20	
1,1,1-Trichloroethane	mg/kg	<0.013	0.050	10/29/21 11:20	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	10/29/21 11:20	
1,1,2-Trichloroethane	mg/kg	<0.018	0.050	10/29/21 11:20	
1,1-Dichloroethane	mg/kg	<0.013	0.050	10/29/21 11:20	
1,1-Dichloroethene	mg/kg	<0.017	0.050	10/29/21 11:20	
1,1-Dichloropropene	mg/kg	<0.016	0.050	10/29/21 11:20	
1,2,3-Trichlorobenzene	mg/kg	<0.056	0.25	10/29/21 11:20	
1,2,3-Trichloropropane	mg/kg	<0.024	0.050	10/29/21 11:20	
1,2,4-Trichlorobenzene	mg/kg	<0.041	0.25	10/29/21 11:20	
1,2,4-Trimethylbenzene	mg/kg	<0.015	0.050	10/29/21 11:20	
1,2-Dibromo-3-chloropropane	mg/kg	<0.039	0.25	10/29/21 11:20	
1,2-Dibromoethane (EDB)	mg/kg	<0.014	0.050	10/29/21 11:20	
1,2-Dichlorobenzene	mg/kg	<0.016	0.050	10/29/21 11:20	
1,2-Dichloroethane	mg/kg	<0.012	0.050	10/29/21 11:20	
1,2-Dichloropropane	mg/kg	<0.012	0.050	10/29/21 11:20	
1,3,5-Trimethylbenzene	mg/kg	<0.016	0.050	10/29/21 11:20	
1,3-Dichlorobenzene	mg/kg	<0.014	0.050	10/29/21 11:20	
1,3-Dichloropropane	mg/kg	<0.011	0.050	10/29/21 11:20	
1,4-Dichlorobenzene	mg/kg	<0.014	0.050	10/29/21 11:20	
2,2-Dichloropropane	mg/kg	<0.014	0.050	10/29/21 11:20	
2-Chlorotoluene	mg/kg	<0.016	0.050	10/29/21 11:20	
4-Chlorotoluene	mg/kg	<0.019	0.050	10/29/21 11:20	
Benzene	mg/kg	<0.012	0.020	10/29/21 11:20	
Bromobenzene	mg/kg	<0.020	0.050	10/29/21 11:20	
Bromochloromethane	mg/kg	<0.014	0.050	10/29/21 11:20	
Bromodichloromethane	mg/kg	<0.012	0.050	10/29/21 11:20	
Bromoform	mg/kg	<0.22	0.25	10/29/21 11:20	
Bromomethane	mg/kg	<0.070	0.25	10/29/21 11:20	
Carbon tetrachloride	mg/kg	<0.011	0.050	10/29/21 11:20	
Chlorobenzene	mg/kg	<0.0060	0.050	10/29/21 11:20	
Chloroethane	mg/kg	<0.021	0.25	10/29/21 11:20	
Chloroform	mg/kg	<0.036	0.25	10/29/21 11:20	
Chloromethane	mg/kg	<0.019	0.050	10/29/21 11:20	
cis-1,2-Dichloroethene	mg/kg	<0.011	0.050	10/29/21 11:20	
cis-1,3-Dichloropropene	mg/kg	<0.033	0.25	10/29/21 11:20	
Dibromochloromethane	mg/kg	<0.17	0.25	10/29/21 11:20	
Dibromomethane	mg/kg	<0.015	0.050	10/29/21 11:20	
Dichlorodifluoromethane	mg/kg	<0.022	0.050	10/29/21 11:20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

METHOD BLANK: 2309691

Matrix: Solid

Associated Lab Samples: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	mg/kg	<0.012	0.050	10/29/21 11:20	
Ethylbenzene	mg/kg	<0.012	0.050	10/29/21 11:20	
Hexachloro-1,3-butadiene	mg/kg	<0.099	0.25	10/29/21 11:20	
Isopropylbenzene (Cumene)	mg/kg	<0.014	0.050	10/29/21 11:20	
m&p-Xylene	mg/kg	<0.021	0.10	10/29/21 11:20	
Methyl-tert-butyl ether	mg/kg	<0.015	0.050	10/29/21 11:20	
Methylene Chloride	mg/kg	<0.014	0.050	10/29/21 11:20	
n-Butylbenzene	mg/kg	<0.023	0.050	10/29/21 11:20	
n-Propylbenzene	mg/kg	<0.012	0.050	10/29/21 11:20	
Naphthalene	mg/kg	<0.016	0.25	10/29/21 11:20	
o-Xylene	mg/kg	<0.015	0.050	10/29/21 11:20	
p-Isopropyltoluene	mg/kg	<0.015	0.050	10/29/21 11:20	
sec-Butylbenzene	mg/kg	<0.012	0.050	10/29/21 11:20	
Styrene	mg/kg	<0.013	0.050	10/29/21 11:20	
tert-Butylbenzene	mg/kg	<0.016	0.050	10/29/21 11:20	
Tetrachloroethene	mg/kg	<0.019	0.050	10/29/21 11:20	
Toluene	mg/kg	<0.013	0.050	10/29/21 11:20	
trans-1,2-Dichloroethene	mg/kg	<0.011	0.050	10/29/21 11:20	
trans-1,3-Dichloropropene	mg/kg	<0.14	0.25	10/29/21 11:20	
Trichloroethene	mg/kg	<0.019	0.050	10/29/21 11:20	
Trichlorofluoromethane	mg/kg	<0.014	0.050	10/29/21 11:20	
Vinyl chloride	mg/kg	<0.010	0.050	10/29/21 11:20	
1,2-Dichlorobenzene-d4 (S)	%	108	82-158	10/29/21 11:20	
4-Bromofluorobenzene (S)	%	112	66-153	10/29/21 11:20	
Toluene-d8 (S)	%	108	67-159	10/29/21 11:20	

LABORATORY CONTROL SAMPLE: 2309692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.7	106	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.5	99	65-129	
1,1,2-Trichloroethane	mg/kg	2.5	2.4	98	70-130	
1,1-Dichloroethane	mg/kg	2.5	2.6	102	70-130	
1,1-Dichloroethene	mg/kg	2.5	2.7	106	67-120	
1,2,4-Trichlorobenzene	mg/kg	2.5	2.2	88	64-130	
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.2	88	57-119	
1,2-Dibromoethane (EDB)	mg/kg	2.5	2.4	96	70-130	
1,2-Dichlorobenzene	mg/kg	2.5	2.4	97	70-130	
1,2-Dichloroethane	mg/kg	2.5	2.8	111	70-130	
1,2-Dichloropropane	mg/kg	2.5	2.5	101	72-118	
1,3-Dichlorobenzene	mg/kg	2.5	2.4	98	70-130	
1,4-Dichlorobenzene	mg/kg	2.5	2.4	96	70-130	
Benzene	mg/kg	2.5	2.5	102	70-130	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

LABORATORY CONTROL SAMPLE: 2309692

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	mg/kg	2.5	2.7	107	70-130	
Bromoform	mg/kg	2.5	2.0	79	66-130	
Bromomethane	mg/kg	2.5	2.5	101	13-153	
Carbon tetrachloride	mg/kg	2.5	2.7	109	73-134	
Chlorobenzene	mg/kg	2.5	2.5	101	70-130	
Chloroethane	mg/kg	2.5	2.4	97	19-170	
Chloroform	mg/kg	2.5	2.7	108	79-120	
Chloromethane	mg/kg	2.5	1.9	75	45-117	
cis-1,2-Dichloroethene	mg/kg	2.5	2.5	99	70-130	
cis-1,3-Dichloropropene	mg/kg	2.5	2.5	98	68-130	
Dibromochloromethane	mg/kg	2.5	2.3	93	70-130	
Dichlorodifluoromethane	mg/kg	2.5	1.6	64	15-135	
Ethylbenzene	mg/kg	2.5	2.6	102	78-120	
Isopropylbenzene (Cumene)	mg/kg	2.5	2.5	101	70-130	
m&p-Xylene	mg/kg	5	4.8	97	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.2	89	65-130	
Methylene Chloride	mg/kg	2.5	2.6	104	70-130	
o-Xylene	mg/kg	2.5	2.4	97	70-130	
Styrene	mg/kg	2.5	2.5	101	70-130	
Tetrachloroethene	mg/kg	2.5	2.6	102	70-130	
Toluene	mg/kg	2.5	2.4	98	76-120	
trans-1,2-Dichloroethene	mg/kg	2.5	2.6	104	70-130	
trans-1,3-Dichloropropene	mg/kg	2.5	2.3	91	70-130	
Trichloroethene	mg/kg	2.5	2.8	110	70-130	
Trichlorofluoromethane	mg/kg	2.5	2.2	88	49-153	
Vinyl chloride	mg/kg	2.5	2.3	91	58-121	
1,2-Dichlorobenzene-d4 (S)	%			99	82-158	
4-Bromofluorobenzene (S)	%			113	66-153	
Toluene-d8 (S)	%			102	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2309693 2309694

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40235848005	Result	Spike Conc.	Spike Conc.							Result
1,1,1-Trichloroethane	mg/kg	<17.5	1.4	1.4	1.2	1.3	86	96	70-130	11	20	
1,1,2,2-Tetrachloroethane	mg/kg	<24.8	1.4	1.4	1.2	1.3	88	93	65-129	6	20	
1,1,2-Trichloroethane	mg/kg	<24.9	1.4	1.4	1.3	1.3	93	98	70-130	5	20	
1,1-Dichloroethane	mg/kg	<17.5	1.4	1.4	1.2	1.3	85	97	70-130	13	20	
1,1-Dichloroethene	mg/kg	<22.7	1.4	1.4	1.1	1.2	79	91	64-120	15	20	
1,2,4-Trichlorobenzene	mg/kg	<56.5	1.4	1.4	1.3	1.3	94	93	64-130	1	20	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Parameter	Units	2309693		2309694		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235848005 Result	MS Spike Conc.	MSD Spike Conc.									
1,2-Dibromo-3-chloropropane	mg/kg	<53.2 ug/kg	1.4	1.4	1.2	1.2	87	86	57-130	1	21		
1,2-Dibromoethane (EDB)	mg/kg	<18.8 ug/kg	1.4	1.4	1.2	1.3	85	96	70-130	12	20		
1,2-Dichlorobenzene	mg/kg	<21.2 ug/kg	1.4	1.4	1.2	1.4	90	99	70-130	9	20		
1,2-Dichloroethane	mg/kg	<15.8 ug/kg	1.4	1.4	1.3	1.5	96	111	70-130	15	20		
1,2-Dichloropropane	mg/kg	<16.3 ug/kg	1.4	1.4	1.2	1.3	86	97	72-122	12	20		
1,3-Dichlorobenzene	mg/kg	<18.8 ug/kg	1.4	1.4	1.2	1.3	87	97	70-130	11	20		
1,4-Dichlorobenzene	mg/kg	<18.8 ug/kg	1.4	1.4	1.2	1.3	89	97	70-130	8	20		
Benzene	mg/kg	<16.3 ug/kg	1.4	1.4	1.2	1.3	87	98	70-130	12	20		
Bromodichloromethane	mg/kg	<16.3 ug/kg	1.4	1.4	1.2	1.4	87	99	70-130	13	20		
Bromoform	mg/kg	<301 ug/kg	1.4	1.4	1.1	1.2	82	90	66-130	8	20		
Bromomethane	mg/kg	<96.1 ug/kg	1.4	1.4	1.1	1.2	78	90	13-153	15	20		
Carbon tetrachloride	mg/kg	<15.1 ug/kg	1.4	1.4	1.1	1.3	83	91	67-134	10	20		
Chlorobenzene	mg/kg	<8.2 ug/kg	1.4	1.4	1.2	1.4	89	102	70-130	14	20		
Chloroethane	mg/kg	<28.9 ug/kg	1.4	1.4	1.0	1.2	75	86	11-195	15	20		
Chloroform	mg/kg	<49.1 ug/kg	1.4	1.4	1.2	1.5	90	106	79-120	16	20		
Chloromethane	mg/kg	<26.0 ug/kg	1.4	1.4	0.64	0.74	47	54	30-136	14	20		
cis-1,2-Dichloroethene	mg/kg	<14.7 ug/kg	1.4	1.4	1.1	1.3	84	96	70-130	14	20		
cis-1,3-Dichloropropene	mg/kg	<45.2 ug/kg	1.4	1.4	1.1	1.2	80	90	68-130	13	20		
Dibromochloromethane	mg/kg	<234 ug/kg	1.4	1.4	1.1	1.2	78	88	70-130	12	20		
Dichlorodifluoromethane	mg/kg	<29.5 ug/kg	1.4	1.4	0.36	0.41	27	30	10-158	12	25		
Ethylbenzene	mg/kg	<16.3 ug/kg	1.4	1.4	1.2	1.3	86	96	78-120	12	20		
Isopropylbenzene (Cumene)	mg/kg	<18.5 ug/kg	1.4	1.4	1.2	1.3	85	94	70-130	9	20		
m&p-Xylene	mg/kg	<28.9 ug/kg	2.7	2.7	2.3	2.6	85	95	70-130	11	20		
Methyl-tert-butyl ether	mg/kg	<20.1 ug/kg	1.4	1.4	1.0	1.2	76	87	65-130	14	20		
Methylene Chloride	mg/kg	<19.0 ug/kg	1.4	1.4	1.3	1.4	92	101	70-130	10	20		
o-Xylene	mg/kg	<20.6 ug/kg	1.4	1.4	1.2	1.3	85	94	70-130	10	20		
Styrene	mg/kg	<17.5 ug/kg	1.4	1.4	1.2	1.3	84	94	70-130	11	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Parameter	Units	40235848005		2309693		2309694		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Tetrachloroethene	mg/kg	<26.6 ug/kg	1.4	1.4	1.2	1.3	86	98	70-130	13	20			
Toluene	mg/kg	<17.3 ug/kg	1.4	1.4	1.2	1.3	85	98	76-120	15	20			
trans-1,2-Dichloroethene	mg/kg	<14.8 ug/kg	1.4	1.4	1.1	1.3	84	98	70-130	16	20			
trans-1,3-Dichloropropene	mg/kg	<196 ug/kg	1.4	1.4	0.99	1.1	72	84	70-130	15	20			
Trichloroethene	mg/kg	<25.6 ug/kg	1.4	1.4	1.2	1.4	90	106	70-130	16	20			
Trichlorofluoromethane	mg/kg	<19.9 ug/kg	1.4	1.4	0.87	0.96	63	70	42-159	10	21			
Vinyl chloride	mg/kg	<13.8 ug/kg	1.4	1.4	0.85	0.97	62	71	43-137	13	20			
1,2-Dichlorobenzene-d4 (S)	%						131	125	82-158					
4-Bromofluorobenzene (S)	%						140	134	66-153					
Toluene-d8 (S)	%						129	128	67-159					

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch: 400092 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Full List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717032, 40235717033

METHOD BLANK: 2310318 Matrix: Solid
Associated Lab Samples: 40235717032, 40235717033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	<0.012	0.050	11/01/21 09:33	
1,1,1-Trichloroethane	mg/kg	<0.013	0.050	11/01/21 09:33	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	11/01/21 09:33	
1,1,2-Trichloroethane	mg/kg	<0.018	0.050	11/01/21 09:33	
1,1-Dichloroethane	mg/kg	<0.013	0.050	11/01/21 09:33	
1,1-Dichloroethene	mg/kg	<0.017	0.050	11/01/21 09:33	
1,1-Dichloropropene	mg/kg	<0.016	0.050	11/01/21 09:33	
1,2,3-Trichlorobenzene	mg/kg	<0.056	0.25	11/01/21 09:33	
1,2,3-Trichloropropane	mg/kg	<0.024	0.050	11/01/21 09:33	
1,2,4-Trichlorobenzene	mg/kg	<0.041	0.25	11/01/21 09:33	
1,2,4-Trimethylbenzene	mg/kg	<0.015	0.050	11/01/21 09:33	
1,2-Dibromo-3-chloropropane	mg/kg	<0.039	0.25	11/01/21 09:33	
1,2-Dibromoethane (EDB)	mg/kg	<0.014	0.050	11/01/21 09:33	
1,2-Dichlorobenzene	mg/kg	<0.016	0.050	11/01/21 09:33	
1,2-Dichloroethane	mg/kg	<0.012	0.050	11/01/21 09:33	
1,2-Dichloropropane	mg/kg	<0.012	0.050	11/01/21 09:33	
1,3,5-Trimethylbenzene	mg/kg	<0.016	0.050	11/01/21 09:33	
1,3-Dichlorobenzene	mg/kg	<0.014	0.050	11/01/21 09:33	
1,3-Dichloropropane	mg/kg	<0.011	0.050	11/01/21 09:33	
1,4-Dichlorobenzene	mg/kg	<0.014	0.050	11/01/21 09:33	
2,2-Dichloropropane	mg/kg	<0.014	0.050	11/01/21 09:33	
2-Chlorotoluene	mg/kg	<0.016	0.050	11/01/21 09:33	
4-Chlorotoluene	mg/kg	<0.019	0.050	11/01/21 09:33	
Benzene	mg/kg	<0.012	0.020	11/01/21 09:33	
Bromobenzene	mg/kg	<0.020	0.050	11/01/21 09:33	
Bromochloromethane	mg/kg	<0.014	0.050	11/01/21 09:33	
Bromodichloromethane	mg/kg	<0.012	0.050	11/01/21 09:33	
Bromoform	mg/kg	<0.22	0.25	11/01/21 09:33	
Bromomethane	mg/kg	<0.070	0.25	11/01/21 09:33	
Carbon tetrachloride	mg/kg	<0.011	0.050	11/01/21 09:33	
Chlorobenzene	mg/kg	<0.0060	0.050	11/01/21 09:33	
Chloroethane	mg/kg	<0.021	0.25	11/01/21 09:33	
Chloroform	mg/kg	<0.036	0.25	11/01/21 09:33	
Chloromethane	mg/kg	<0.019	0.050	11/01/21 09:33	
cis-1,2-Dichloroethene	mg/kg	<0.011	0.050	11/01/21 09:33	
cis-1,3-Dichloropropene	mg/kg	<0.033	0.25	11/01/21 09:33	
Dibromochloromethane	mg/kg	<0.17	0.25	11/01/21 09:33	
Dibromomethane	mg/kg	<0.015	0.050	11/01/21 09:33	
Dichlorodifluoromethane	mg/kg	<0.022	0.050	11/01/21 09:33	
Diisopropyl ether	mg/kg	<0.012	0.050	11/01/21 09:33	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

METHOD BLANK: 2310318

Matrix: Solid

Associated Lab Samples: 40235717032, 40235717033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	mg/kg	<0.012	0.050	11/01/21 09:33	
Hexachloro-1,3-butadiene	mg/kg	<0.099	0.25	11/01/21 09:33	
Isopropylbenzene (Cumene)	mg/kg	<0.014	0.050	11/01/21 09:33	
m&p-Xylene	mg/kg	<0.021	0.10	11/01/21 09:33	
Methyl-tert-butyl ether	mg/kg	<0.015	0.050	11/01/21 09:33	
Methylene Chloride	mg/kg	<0.014	0.050	11/01/21 09:33	
n-Butylbenzene	mg/kg	<0.023	0.050	11/01/21 09:33	
n-Propylbenzene	mg/kg	<0.012	0.050	11/01/21 09:33	
Naphthalene	mg/kg	<0.016	0.25	11/01/21 09:33	
o-Xylene	mg/kg	<0.015	0.050	11/01/21 09:33	
p-Isopropyltoluene	mg/kg	<0.015	0.050	11/01/21 09:33	
sec-Butylbenzene	mg/kg	<0.012	0.050	11/01/21 09:33	
Styrene	mg/kg	<0.013	0.050	11/01/21 09:33	
tert-Butylbenzene	mg/kg	<0.016	0.050	11/01/21 09:33	
Tetrachloroethene	mg/kg	<0.019	0.050	11/01/21 09:33	
Toluene	mg/kg	<0.013	0.050	11/01/21 09:33	
trans-1,2-Dichloroethene	mg/kg	<0.011	0.050	11/01/21 09:33	
trans-1,3-Dichloropropene	mg/kg	<0.14	0.25	11/01/21 09:33	
Trichloroethene	mg/kg	<0.019	0.050	11/01/21 09:33	
Trichlorofluoromethane	mg/kg	<0.014	0.050	11/01/21 09:33	
Vinyl chloride	mg/kg	<0.010	0.050	11/01/21 09:33	
1,2-Dichlorobenzene-d4 (S)	%	84	82-158	11/01/21 09:33	
4-Bromofluorobenzene (S)	%	75	66-153	11/01/21 09:33	
Toluene-d8 (S)	%	102	67-159	11/01/21 09:33	

LABORATORY CONTROL SAMPLE: 2310319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.7	108	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	1.9	75	65-129	
1,1,2-Trichloroethane	mg/kg	2.5	2.5	101	70-130	
1,1-Dichloroethane	mg/kg	2.5	2.9	115	70-130	
1,1-Dichloroethene	mg/kg	2.5	2.8	112	67-120	
1,2,4-Trichlorobenzene	mg/kg	2.5	2.1	86	64-130	
1,2-Dibromo-3-chloropropane	mg/kg	2.5	1.6	64	57-119	
1,2-Dibromoethane (EDB)	mg/kg	2.5	2.4	96	70-130	
1,2-Dichlorobenzene	mg/kg	2.5	2.3	90	70-130	
1,2-Dichloroethane	mg/kg	2.5	2.6	106	70-130	
1,2-Dichloropropane	mg/kg	2.5	2.8	111	72-118	
1,3-Dichlorobenzene	mg/kg	2.5	2.2	89	70-130	
1,4-Dichlorobenzene	mg/kg	2.5	2.3	91	70-130	
Benzene	mg/kg	2.5	2.6	104	70-130	
Bromodichloromethane	mg/kg	2.5	2.5	102	70-130	
Bromoform	mg/kg	2.5	2.3	93	66-130	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

LABORATORY CONTROL SAMPLE: 2310319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	mg/kg	2.5	2.9	117	13-153	
Carbon tetrachloride	mg/kg	2.5	2.9	118	73-134	
Chlorobenzene	mg/kg	2.5	2.8	113	70-130	
Chloroethane	mg/kg	2.5	3.2	128	19-170	
Chloroform	mg/kg	2.5	2.7	107	79-120	
Chloromethane	mg/kg	2.5	2.0	78	45-117	
cis-1,2-Dichloroethene	mg/kg	2.5	2.6	104	70-130	
cis-1,3-Dichloropropene	mg/kg	2.5	2.5	101	68-130	
Dibromochloromethane	mg/kg	2.5	2.7	106	70-130	
Dichlorodifluoromethane	mg/kg	2.5	1.3	51	15-135	
Ethylbenzene	mg/kg	2.5	2.8	110	78-120	
Isopropylbenzene (Cumene)	mg/kg	2.5	2.8	112	70-130	
m&p-Xylene	mg/kg	5	5.5	109	70-130	
Methyl-tert-butyl ether	mg/kg	2.5	2.1	86	65-130	
Methylene Chloride	mg/kg	2.5	2.7	109	70-130	
o-Xylene	mg/kg	2.5	2.7	108	70-130	
Styrene	mg/kg	2.5	2.7	109	70-130	
Tetrachloroethene	mg/kg	2.5	2.8	113	70-130	
Toluene	mg/kg	2.5	2.7	107	76-120	
trans-1,2-Dichloroethene	mg/kg	2.5	2.7	108	70-130	
trans-1,3-Dichloropropene	mg/kg	2.5	2.3	94	70-130	
Trichloroethene	mg/kg	2.5	2.7	109	70-130	
Trichlorofluoromethane	mg/kg	2.5	2.8	111	49-153	
Vinyl chloride	mg/kg	2.5	2.5	99	58-121	
1,2-Dichlorobenzene-d4 (S)	%			89	82-158	
4-Bromofluorobenzene (S)	%			79	66-153	
Toluene-d8 (S)	%			107	67-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2310320 2310321

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235717032	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	mg/kg	<0.016	1.2	1.2	1.1	1.2	84	96	70-130	14	20		
1,1,2,2-Tetrachloroethane	mg/kg	<0.023	1.2	1.2	0.86	0.89	68	70	65-129	3	20		
1,1,2-Trichloroethane	mg/kg	<0.023	1.2	1.2	1.1	1.1	86	90	70-130	5	20		
1,1-Dichloroethane	mg/kg	<0.016	1.2	1.2	1.2	1.3	94	104	70-130	9	20		
1,1-Dichloroethene	mg/kg	<0.021	1.2	1.2	1.1	1.2	86	94	64-120	9	20		
1,2,4-Trichlorobenzene	mg/kg	<0.052	1.2	1.2	1.2	1.2	97	91	64-130	5	20		
1,2-Dibromo-3-chloropropane	mg/kg	<0.049	1.2	1.2	0.79	0.72	63	57	57-130	9	21		
1,2-Dibromoethane (EDB)	mg/kg	<0.017	1.2	1.2	0.98	1.1	77	86	70-130	11	20		
1,2-Dichlorobenzene	mg/kg	<0.020	1.2	1.2	1.1	1.1	86	88	70-130	2	20		
1,2-Dichloroethane	mg/kg	<0.015	1.2	1.2	1.1	1.2	86	96	70-130	11	20		
1,2-Dichloropropane	mg/kg	<0.015	1.2	1.2	1.1	1.3	90	103	72-122	12	20		
1,3-Dichlorobenzene	mg/kg	<0.017	1.2	1.2	1.1	1.1	84	87	70-130	3	20		

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Parameter	Units	2310320		2310321		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40235717032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	mg/kg	<0.017	1.2	1.2	1.1	1.1	85	90	70-130	6	20		
Benzene	mg/kg	<0.015	1.2	1.2	1.1	1.2	86	95	70-130	9	20		
Bromodichloromethane	mg/kg	<0.015	1.2	1.2	1.0	1.2	82	93	70-130	12	20		
Bromoform	mg/kg	<0.28	1.2	1.2	1.0	1.1	83	90	66-130	8	20		
Bromomethane	mg/kg	<0.089	1.2	1.2	1.1	1.2	90	97	13-153	7	20		
Carbon tetrachloride	mg/kg	<0.014	1.2	1.2	1.2	1.3	95	101	67-134	6	20		
Chlorobenzene	mg/kg	<0.0076	1.2	1.2	1.2	1.3	97	103	70-130	6	20		
Chloroethane	mg/kg	<0.027	1.2	1.2	1.3	1.4	99	111	11-195	11	20		
Chloroform	mg/kg	<0.045	1.2	1.2	1.1	1.3	90	100	79-120	11	20		
Chloromethane	mg/kg	<0.024	1.2	1.2	0.59	0.67	47	53	30-136	12	20		
cis-1,2-Dichloroethene	mg/kg	<0.014	1.2	1.2	1.1	1.2	86	96	70-130	11	20		
cis-1,3-Dichloropropene	mg/kg	<0.042	1.2	1.2	1.0	1.1	79	89	68-130	12	20		
Dibromochloromethane	mg/kg	<0.22	1.2	1.2	1.1	1.2	89	95	70-130	7	20		
Dichlorodifluoromethane	mg/kg	<0.027	1.2	1.2	0.26	0.27	21	21	10-158	1	25		
Ethylbenzene	mg/kg	<0.015	1.2	1.2	1.2	1.3	93	99	78-120	6	20		
Isopropylbenzene (Cumene)	mg/kg	<0.017	1.2	1.2	1.2	1.3	94	101	70-130	7	20		
m&p-Xylene	mg/kg	<0.027	2.5	2.5	2.4	2.5	93	100	70-130	7	20		
Methyl-tert-butyl ether	mg/kg	<0.019	1.2	1.2	0.85	0.97	67	77	65-130	14	20		
Methylene Chloride	mg/kg	<0.018	1.2	1.2	1.2	1.3	92	102	70-130	10	20		
o-Xylene	mg/kg	<0.019	1.2	1.2	1.2	1.2	93	98	70-130	6	20		
Styrene	mg/kg	<0.016	1.2	1.2	1.1	1.2	89	97	70-130	9	20		
Tetrachloroethene	mg/kg	<0.025	1.2	1.2	1.3	1.3	99	102	70-130	3	20		
Toluene	mg/kg	<0.016	1.2	1.2	1.1	1.3	90	100	76-120	10	20		
trans-1,2-Dichloroethene	mg/kg	<0.014	1.2	1.2	1.1	1.2	88	96	70-130	9	20		
trans-1,3-Dichloropropene	mg/kg	<0.18	1.2	1.2	0.96	1.0	76	81	70-130	7	20		
Trichloroethene	mg/kg	<0.024	1.2	1.2	1.2	1.3	93	101	70-130	9	20		
Trichlorofluoromethane	mg/kg	<0.018	1.2	1.2	1.0	1.1	81	85	42-159	4	21		
Vinyl chloride	mg/kg	<0.013	1.2	1.2	0.82	0.88	65	69	43-137	6	20		
1,2-Dichlorobenzene-d4 (S)	%						105	104	82-158				
4-Bromofluorobenzene (S)	%						91	93	66-153				
Toluene-d8 (S)	%						125	126	67-159				

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch: 401249 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717008

METHOD BLANK: 2316774 Matrix: Water
Associated Lab Samples: 40235717008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	mg/L	<0.00032	0.0010	11/10/21 16:53	
1,2-Dichlorobenzene-d4 (S)	%	106	70-130	11/10/21 16:53	
4-Bromofluorobenzene (S)	%	104	70-130	11/10/21 16:53	
Toluene-d8 (S)	%	95	70-130	11/10/21 16:53	

METHOD BLANK: 2315904 Matrix: Solid
Associated Lab Samples: 40235717008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichloroethene	mg/L	<0.0032	0.010	11/10/21 21:28	
1,2-Dichlorobenzene-d4 (S)	%	105	70-130	11/10/21 21:28	
4-Bromofluorobenzene (S)	%	103	70-130	11/10/21 21:28	
Toluene-d8 (S)	%	94	70-130	11/10/21 21:28	

LABORATORY CONTROL SAMPLE: 2316775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	mg/L	0.05	0.048	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2317665 2317666

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40236465001 Result	Spike Conc.	Spike Conc.	Result						
Trichloroethene	mg/L	<0.0032	0.5	0.5	0.48	0.47	96	95	70-130	1	20
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130		
4-Bromofluorobenzene (S)	%						107	107	70-130		
Toluene-d8 (S)	%						95	96	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	399900	Analysis Method:	EPA 8270E
QC Batch Method:	EPA 3546	Analysis Description:	8270E Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016

METHOD BLANK: 2309128 Matrix: Solid
Associated Lab Samples: 40235717001, 40235717002, 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/kg	<0.090	0.30	10/29/21 12:39	
1-Methylnaphthalene	mg/kg	<0.048	0.16	10/29/21 12:39	
2-Methylnaphthalene	mg/kg	<0.043	0.14	10/29/21 12:39	
Acenaphthene	mg/kg	<0.059	0.20	10/29/21 12:39	
Acenaphthylene	mg/kg	<0.060	0.20	10/29/21 12:39	
Anthracene	mg/kg	<0.027	0.089	10/29/21 12:39	
Benzo(a)anthracene	mg/kg	<0.026	0.086	10/29/21 12:39	
Benzo(a)pyrene	mg/kg	<0.025	0.084	10/29/21 12:39	
Benzo(b)fluoranthene	mg/kg	<0.029	0.096	10/29/21 12:39	
Benzo(g,h,i)perylene	mg/kg	<0.044	0.15	10/29/21 12:39	
Benzo(k)fluoranthene	mg/kg	<0.040	0.13	10/29/21 12:39	
Chrysene	mg/kg	<0.025	0.083	10/29/21 12:39	
Dibenz(a,h)anthracene	mg/kg	<0.045	0.15	10/29/21 12:39	
Fluoranthene	mg/kg	<0.024	0.079	10/29/21 12:39	
Fluorene	mg/kg	<0.020	0.065	10/29/21 12:39	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.036	0.12	10/29/21 12:39	
Naphthalene	mg/kg	<0.058	0.19	10/29/21 12:39	
Phenanthrene	mg/kg	<0.021	0.071	10/29/21 12:39	
Pyrene	mg/kg	<0.037	0.12	10/29/21 12:39	
2,4,6-Tribromophenol (S)	%	81	10-128	10/29/21 12:39	
2-Fluorobiphenyl (S)	%	74	14-110	10/29/21 12:39	
2-Fluorophenol (S)	%	67	10-112	10/29/21 12:39	
Nitrobenzene-d5 (S)	%	67	40-96	10/29/21 12:39	
Phenol-d6 (S)	%	66	14-104	10/29/21 12:39	
Terphenyl-d14 (S)	%	101	10-121	10/29/21 12:39	

LABORATORY CONTROL SAMPLE: 2309129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.7	103	70-130	
2-Methylnaphthalene	mg/kg	1.7	1.7	101	70-130	
Acenaphthene	mg/kg	1.7	1.7	103	80-120	
Acenaphthylene	mg/kg	1.7	1.8	107	70-130	
Anthracene	mg/kg	1.7	1.7	103	70-130	
Benzo(a)anthracene	mg/kg	1.7	1.7	104	70-130	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

LABORATORY CONTROL SAMPLE: 2309129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	mg/kg	1.7	1.7	105	80-120	
Benzo(b)fluoranthene	mg/kg	1.7	1.7	104	70-130	
Benzo(g,h,i)perylene	mg/kg	1.7	1.6	97	70-127	
Benzo(k)fluoranthene	mg/kg	1.7	1.8	107	70-130	
Chrysene	mg/kg	1.7	1.7	105	70-130	
Dibenz(a,h)anthracene	mg/kg	1.7	1.7	100	70-130	
Fluoranthene	mg/kg	1.7	1.7	100	80-120	
Fluorene	mg/kg	1.7	1.8	108	70-130	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.5	90	70-131	
Naphthalene	mg/kg	1.7	1.6	94	70-130	
Phenanthrene	mg/kg	1.7	1.7	102	70-130	
Pyrene	mg/kg	1.7	1.8	110	70-130	
2,4,6-Tribromophenol (S)	%			98	10-128	
2-Fluorobiphenyl (S)	%			94	14-110	
2-Fluorophenol (S)	%			71	10-112	
Nitrobenzene-d5 (S)	%			88	40-96	
Phenol-d6 (S)	%			81	14-104	
Terphenyl-d14 (S)	%			98	10-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2309130 2309131

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235717005 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	mg/kg	<0.16	1.9	1.9	1.5	1.5	83	83	45-130	1	20		
2-Methylnaphthalene	mg/kg	<0.15	1.9	1.9	1.4	1.4	78	75	56-130	4	24		
Acenaphthene	mg/kg	<0.20	1.9	1.9	1.5	1.5	83	79	58-120	4	24		
Acenaphthylene	mg/kg	<0.20	1.9	1.9	1.6	1.5	85	81	61-130	4	25		
Anthracene	mg/kg	<0.089	1.9	1.9	1.5	1.4	82	76	67-130	8	27		
Benzo(a)anthracene	mg/kg	<0.087	1.9	1.9	1.6	1.5	84	81	62-130	4	24		
Benzo(a)pyrene	mg/kg	<0.084	1.9	1.9	1.6	1.5	85	78	63-120	8	24		
Benzo(b)fluoranthene	mg/kg	<0.096	1.9	1.9	1.5	1.2	83	64	61-130	27	27		
Benzo(g,h,i)perylene	mg/kg	<0.15	1.9	1.9	1.7	1.3	90	72	56-127	23	23		
Benzo(k)fluoranthene	mg/kg	<0.13	1.9	1.9	1.7	1.3	91	71	55-130	24	24		
Chrysene	mg/kg	<0.084	1.9	1.9	1.4	1.5	76	80	62-130	5	24		
Dibenz(a,h)anthracene	mg/kg	<0.15	1.9	1.9	1.6	1.1	87	61	51-130	34	29	R1	
Fluoranthene	mg/kg	<0.079	1.9	1.9	1.4	1.4	76	76	59-120	0	29		
Fluorene	mg/kg	<0.065	1.9	1.9	1.5	1.5	83	81	60-130	2	20		
Indeno(1,2,3-cd)pyrene	mg/kg	<0.12	1.9	1.9	1.5	1.1	83	61	47-148	31	29	R1	
Naphthalene	mg/kg	<0.20	1.9	1.9	1.4	1.4	74	73	63-130	1	25		
Phenanthrene	mg/kg	<0.072	1.9	1.9	1.6	1.4	84	77	65-130	8	27		
Pyrene	mg/kg	<0.12	1.9	1.9	1.7	1.8	92	96	54-130	4	23		
2,4,6-Tribromophenol (S)	%						78	75	10-128				
2-Fluorobiphenyl (S)	%						79	78	14-110				
2-Fluorophenol (S)	%						53	63	10-112				
Nitrobenzene-d5 (S)	%						67	72	40-96				

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2309130		2309131		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235717005 Result	MS Spike Conc.	MSD Spike Conc.									
Phenol-d6 (S)	%							69	65	14-104			
Terphenyl-d14 (S)	%							77	90	10-121			

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	400169	Analysis Method:	EPA 8270E
QC Batch Method:	EPA 3546	Analysis Description:	8270E Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717017, 40235717018, 40235717019, 40235717020, 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

METHOD BLANK: 2311396 Matrix: Solid
Associated Lab Samples: 40235717017, 40235717018, 40235717019, 40235717020, 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/kg	<0.090	0.30	11/01/21 15:31	
1-Methylnaphthalene	mg/kg	<0.048	0.16	11/01/21 15:31	
2-Methylnaphthalene	mg/kg	<0.043	0.14	11/01/21 15:31	
Acenaphthene	mg/kg	<0.059	0.20	11/01/21 15:31	
Acenaphthylene	mg/kg	<0.060	0.20	11/01/21 15:31	
Anthracene	mg/kg	<0.027	0.089	11/01/21 15:31	
Benzo(a)anthracene	mg/kg	<0.026	0.086	11/01/21 15:31	
Benzo(a)pyrene	mg/kg	<0.025	0.084	11/01/21 15:31	
Benzo(b)fluoranthene	mg/kg	<0.029	0.096	11/01/21 15:31	
Benzo(g,h,i)perylene	mg/kg	<0.044	0.15	11/01/21 15:31	
Benzo(k)fluoranthene	mg/kg	<0.040	0.13	11/01/21 15:31	
Chrysene	mg/kg	<0.025	0.083	11/01/21 15:31	
Dibenz(a,h)anthracene	mg/kg	<0.045	0.15	11/01/21 15:31	
Fluoranthene	mg/kg	<0.024	0.079	11/01/21 15:31	
Fluorene	mg/kg	<0.020	0.065	11/01/21 15:31	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.036	0.12	11/01/21 15:31	
Naphthalene	mg/kg	<0.058	0.19	11/01/21 15:31	
Phenanthrene	mg/kg	<0.021	0.071	11/01/21 15:31	
Pyrene	mg/kg	<0.037	0.12	11/01/21 15:31	
2,4,6-Tribromophenol (S)	%	81	10-128	11/01/21 15:31	
2-Fluorobiphenyl (S)	%	74	14-110	11/01/21 15:31	
2-Fluorophenol (S)	%	60	10-112	11/01/21 15:31	
Nitrobenzene-d5 (S)	%	66	40-96	11/01/21 15:31	
Phenol-d6 (S)	%	61	14-104	11/01/21 15:31	
Terphenyl-d14 (S)	%	90	10-121	11/01/21 15:31	

LABORATORY CONTROL SAMPLE: 2311397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.8	106	70-130	
2-Methylnaphthalene	mg/kg	1.7	1.7	103	70-130	
Acenaphthene	mg/kg	1.7	1.7	103	80-120	
Acenaphthylene	mg/kg	1.7	1.8	107	70-130	
Anthracene	mg/kg	1.7	1.8	106	70-130	
Benzo(a)anthracene	mg/kg	1.7	1.8	106	70-130	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

LABORATORY CONTROL SAMPLE: 2311397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	mg/kg	1.7	1.7	102	80-120	
Benzo(b)fluoranthene	mg/kg	1.7	1.7	101	70-130	
Benzo(g,h,i)perylene	mg/kg	1.7	1.6	93	70-127	
Benzo(k)fluoranthene	mg/kg	1.7	1.7	103	70-130	
Chrysene	mg/kg	1.7	1.8	107	70-130	
Dibenz(a,h)anthracene	mg/kg	1.7	1.5	90	70-130	
Fluoranthene	mg/kg	1.7	1.7	101	80-120	
Fluorene	mg/kg	1.7	1.7	104	70-130	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.4	84	70-131	
Naphthalene	mg/kg	1.7	1.7	103	70-130	
Phenanthrene	mg/kg	1.7	1.8	106	70-130	
Pyrene	mg/kg	1.7	1.8	111	70-130	
2,4,6-Tribromophenol (S)	%			99	10-128	
2-Fluorobiphenyl (S)	%			92	14-110	
2-Fluorophenol (S)	%			92	10-112	
Nitrobenzene-d5 (S)	%			99	40-96 S0	
Phenol-d6 (S)	%			93	14-104	
Terphenyl-d14 (S)	%			98	10-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311398 2311399

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40235717017 Result	Spike Conc.	Spike Conc.	Conc.								
1-Methylnaphthalene	mg/kg	<0.057	2.1	2.1	2.1	1.8	1.9	89	93	45-130	4	20	
2-Methylnaphthalene	mg/kg	<0.052	2.1	2.1	2.1	1.7	1.8	86	92	56-130	7	24	
Acenaphthene	mg/kg	<0.071	2.1	2.1	2.1	1.7	1.9	85	93	58-120	9	24	
Acenaphthylene	mg/kg	<0.072	2.1	2.1	2.1	1.8	1.9	89	97	61-130	8	25	
Anthracene	mg/kg	<0.032	2.1	2.1	2.1	1.8	1.8	90	91	67-130	1	27	
Benzo(a)anthracene	mg/kg	<0.031	2.1	2.1	2.1	1.8	1.8	90	91	62-130	0	24	
Benzo(a)pyrene	mg/kg	<0.030	2.1	2.1	2.1	1.8	1.8	89	88	63-120	1	24	
Benzo(b)fluoranthene	mg/kg	<0.035	2.1	2.1	2.1	1.7	1.7	87	86	61-130	0	27	
Benzo(g,h,i)perylene	mg/kg	<0.053	2.1	2.1	2.1	1.8	1.6	90	81	56-127	11	23	
Benzo(k)fluoranthene	mg/kg	<0.048	2.1	2.1	2.1	1.8	1.7	87	86	55-130	1	24	
Chrysene	mg/kg	<0.030	2.1	2.1	2.1	1.8	1.9	89	92	62-130	4	24	
Dibenz(a,h)anthracene	mg/kg	<0.055	2.1	2.1	2.1	1.7	1.5	86	74	51-130	15	29	
Fluoranthene	mg/kg	<0.028	2.1	2.1	2.1	1.8	1.7	87	83	59-120	5	29	
Fluorene	mg/kg	<0.023	2.1	2.1	2.1	1.8	1.9	90	93	60-130	4	20	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.044	2.1	2.1	2.1	1.6	1.5	78	73	47-148	7	29	
Naphthalene	mg/kg	<0.070	2.1	2.1	2.1	1.6	1.8	80	89	63-130	10	25	
Phenanthrene	mg/kg	<0.026	2.1	2.1	2.1	1.8	1.9	89	92	65-130	3	27	
Pyrene	mg/kg	<0.045	2.1	2.1	2.1	1.8	2.0	92	97	54-130	6	23	
2,4,6-Tribromophenol (S)	%							78	88	10-128			
2-Fluorobiphenyl (S)	%							77	85	14-110			
2-Fluorophenol (S)	%							64	77	10-112			
Nitrobenzene-d5 (S)	%							77	83	40-96			

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2311398												2311399	
Parameter	Units	40235717017 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Phenol-d6 (S)	%							70	78	14-104			
Terphenyl-d14 (S)	%							80	85	10-121			

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

QC Batch: 400031

Analysis Method: WI MOD DRO

QC Batch Method: WI MOD DRO

Analysis Description: WIDRO GCS

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40235717017, 40235717018, 40235717019, 40235717020

METHOD BLANK: 2309826

Matrix: Solid

Associated Lab Samples: 40235717017, 40235717018, 40235717019, 40235717020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<1.3	4.4	11/01/21 06:14	

LABORATORY CONTROL SAMPLE & LCSD: 2309827

2309828

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	32.1	31.5	80	79	70-120	2	20	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

QC Batch: 399623

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: 40235717001, 40235717002

SAMPLE DUPLICATE: 2307443

Parameter	Units	40235311004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.0	15.6	4	10	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	399630	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: 40235717003, 40235717004, 40235717005, 40235717006, 40235717007, 40235717008, 40235717009, 40235717010, 40235717011, 40235717012, 40235717013, 40235717014, 40235717015, 40235717016, 40235717017, 40235717018, 40235717019, 40235717020

SAMPLE DUPLICATE: 2307445

Parameter	Units	40235717007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	13.7	4	10	

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QUALITY CONTROL DATA

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

QC Batch:	399638	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: 40235717021, 40235717022, 40235717023, 40235717024, 40235717025, 40235717026, 40235717027, 40235717028, 40235717029, 40235717030, 40235717031, 40235717032

SAMPLE DUPLICATE: 2307475

Parameter	Units	40235717026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.0	14.1	0	10	

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QUALIFIERS

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

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.

WORKORDER QUALIFIERS

WO: 40235717
[1] Revised report per client request to add TCLP TCE to sample SB-4 (10-12). 11/15/21 CDH

SAMPLE QUALIFIERS

Sample: 40235717008
[1] Sample container used for ZHE had headspace.
[2] Sample extracted and analyzed outside of EPA holding time per client request.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
DC Chromatographic pattern inconsistent with typical Diesel Fuel.
H2 Extraction or preparation was conducted outside of the recognized method holding time.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1 RPD value was outside control limits.
S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235717017	SB-9 (2-4)	WI MOD DRO	400031	WI MOD DRO	400087
40235717018	SB-9 (7-9)	WI MOD DRO	400031	WI MOD DRO	400087
40235717019	SB-10 (4-6)	WI MOD DRO	400031	WI MOD DRO	400087
40235717020	SB-10 (8-10)	WI MOD DRO	400031	WI MOD DRO	400087
40235717001	SB-1 (2-4)	EPA 3050B	399616	EPA 6010D	399698
40235717002	SB-1 (4-6)	EPA 3050B	399616	EPA 6010D	399698
40235717003	SB-2 (0-2)	EPA 3050B	399616	EPA 6010D	399698
40235717004	SB-2 (4-6)	EPA 3050B	399616	EPA 6010D	399698
40235717005	SB-3 (2-4)	EPA 3050B	399616	EPA 6010D	399698
40235717006	SB-3 (10-12)	EPA 3050B	399616	EPA 6010D	399698
40235717007	SB-4 (6-8)	EPA 3050B	399616	EPA 6010D	399698
40235717008	SB-4 (10-12)	EPA 3050B	399616	EPA 6010D	399698
40235717009	SB-5 (8-10)	EPA 3050B	399616	EPA 6010D	399698
40235717010	SB-5 (10-12)	EPA 3050B	399616	EPA 6010D	399698
40235717011	SB-6 (0-5)	EPA 3050B	399616	EPA 6010D	399698
40235717012	SB-6 (7-10)	EPA 3050B	399616	EPA 6010D	399698
40235717013	SB-7 (4-6)	EPA 3050B	399616	EPA 6010D	399698
40235717014	SB-7 (6-8)	EPA 3050B	399616	EPA 6010D	399698
40235717015	SB-8 (0-5)	EPA 3050B	399616	EPA 6010D	399698
40235717016	SB-8 (8-10)	EPA 3050B	399616	EPA 6010D	399698
40235717017	SB-9 (2-4)	EPA 3050B	399616	EPA 6010D	399698
40235717018	SB-9 (7-9)	EPA 3050B	399616	EPA 6010D	399698
40235717019	SB-10 (4-6)	EPA 3050B	399616	EPA 6010D	399698
40235717020	SB-10 (8-10)	EPA 3050B	399616	EPA 6010D	399698
40235717021	SB-11 (2-4)	EPA 3050B	399617	EPA 6010D	399690
40235717022	SB-11 (8-10)	EPA 3050B	399617	EPA 6010D	399690
40235717023	SB-12 (0-5)	EPA 3050B	399617	EPA 6010D	399690
40235717024	SB-12 (15-18)	EPA 3050B	399617	EPA 6010D	399690
40235717025	SB-13 (5-10)	EPA 3050B	399617	EPA 6010D	399690
40235717026	SB-13 (10-15)	EPA 3050B	399617	EPA 6010D	399690
40235717027	SB-14 (0-5)	EPA 3050B	399617	EPA 6010D	399690
40235717028	SB-14 (15-20)	EPA 3050B	399617	EPA 6010D	399690
40235717029	SB-3 (8-10)	EPA 3050B	399617	EPA 6010D	399690
40235717030	SB-4 (8-10)	EPA 3050B	399617	EPA 6010D	399690
40235717031	SB-5 (12-15)	EPA 3050B	399617	EPA 6010D	399690
40235717032	SB-9 (9-10)	EPA 3050B	399617	EPA 6010D	399690
40235717001	SB-1 (2-4)	EPA 7471	400189	EPA 7471	400346
40235717002	SB-1 (4-6)	EPA 7471	400189	EPA 7471	400346
40235717003	SB-2 (0-2)	EPA 7471	400189	EPA 7471	400346
40235717004	SB-2 (4-6)	EPA 7471	400189	EPA 7471	400346
40235717005	SB-3 (2-4)	EPA 7471	400189	EPA 7471	400346
40235717006	SB-3 (10-12)	EPA 7471	400189	EPA 7471	400346
40235717007	SB-4 (6-8)	EPA 7471	400189	EPA 7471	400346
40235717008	SB-4 (10-12)	EPA 7471	400190	EPA 7471	400414
40235717009	SB-5 (8-10)	EPA 7471	400190	EPA 7471	400414
40235717010	SB-5 (10-12)	EPA 7471	400190	EPA 7471	400414
40235717011	SB-6 (0-5)	EPA 7471	400190	EPA 7471	400414

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 22.0009 FORMER MM

Pace Project No.: 40235717

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235717012	SB-6 (7-10)	EPA 7471	400190	EPA 7471	400414
40235717013	SB-7 (4-6)	EPA 7471	400190	EPA 7471	400414
40235717014	SB-7 (6-8)	EPA 7471	400190	EPA 7471	400414
40235717015	SB-8 (0-5)	EPA 7471	400190	EPA 7471	400414
40235717016	SB-8 (8-10)	EPA 7471	400190	EPA 7471	400414
40235717017	SB-9 (2-4)	EPA 7471	400190	EPA 7471	400414
40235717018	SB-9 (7-9)	EPA 7471	400190	EPA 7471	400414
40235717019	SB-10 (4-6)	EPA 7471	400190	EPA 7471	400414
40235717020	SB-10 (8-10)	EPA 7471	400190	EPA 7471	400414
40235717021	SB-11 (2-4)	EPA 7471	400193	EPA 7471	400415
40235717022	SB-11 (8-10)	EPA 7471	400193	EPA 7471	400415
40235717023	SB-12 (0-5)	EPA 7471	400193	EPA 7471	400415
40235717024	SB-12 (15-18)	EPA 7471	400193	EPA 7471	400415
40235717025	SB-13 (5-10)	EPA 7471	400193	EPA 7471	400415
40235717026	SB-13 (10-15)	EPA 7471	400193	EPA 7471	400415
40235717027	SB-14 (0-5)	EPA 7471	400193	EPA 7471	400415
40235717028	SB-14 (15-20)	EPA 7471	400193	EPA 7471	400415
40235717029	SB-3 (8-10)	EPA 7471	400193	EPA 7471	400415
40235717030	SB-4 (8-10)	EPA 7471	400193	EPA 7471	400415
40235717031	SB-5 (12-15)	EPA 7471	400193	EPA 7471	400415
40235717032	SB-9 (9-10)	EPA 7471	400193	EPA 7471	400415
40235717001	SB-1 (2-4)	EPA 3546	399900	EPA 8270E	399976
40235717002	SB-1 (4-6)	EPA 3546	399900	EPA 8270E	399976
40235717003	SB-2 (0-2)	EPA 3546	399900	EPA 8270E	399976
40235717004	SB-2 (4-6)	EPA 3546	399900	EPA 8270E	399976
40235717005	SB-3 (2-4)	EPA 3546	399900	EPA 8270E	399976
40235717006	SB-3 (10-12)	EPA 3546	399900	EPA 8270E	399976
40235717007	SB-4 (6-8)	EPA 3546	399900	EPA 8270E	399976
40235717008	SB-4 (10-12)	EPA 3546	399900	EPA 8270E	399976
40235717009	SB-5 (8-10)	EPA 3546	399900	EPA 8270E	399976
40235717010	SB-5 (10-12)	EPA 3546	399900	EPA 8270E	399976
40235717011	SB-6 (0-5)	EPA 3546	399900	EPA 8270E	399976
40235717012	SB-6 (7-10)	EPA 3546	399900	EPA 8270E	399976
40235717013	SB-7 (4-6)	EPA 3546	399900	EPA 8270E	399976
40235717014	SB-7 (6-8)	EPA 3546	399900	EPA 8270E	399976
40235717015	SB-8 (0-5)	EPA 3546	399900	EPA 8270E	399976
40235717016	SB-8 (8-10)	EPA 3546	399900	EPA 8270E	399976
40235717017	SB-9 (2-4)	EPA 3546	400169	EPA 8270E	400260
40235717018	SB-9 (7-9)	EPA 3546	400169	EPA 8270E	400260
40235717019	SB-10 (4-6)	EPA 3546	400169	EPA 8270E	400260
40235717020	SB-10 (8-10)	EPA 3546	400169	EPA 8270E	400260
40235717021	SB-11 (2-4)	EPA 3546	400169	EPA 8270E	400260
40235717022	SB-11 (8-10)	EPA 3546	400169	EPA 8270E	400260
40235717023	SB-12 (0-5)	EPA 3546	400169	EPA 8270E	400260
40235717024	SB-12 (15-18)	EPA 3546	400169	EPA 8270E	400260
40235717025	SB-13 (5-10)	EPA 3546	400169	EPA 8270E	400260
40235717026	SB-13 (10-15)	EPA 3546	400169	EPA 8270E	400260

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Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235717027	SB-14 (0-5)	EPA 3546	400169	EPA 8270E	400260
40235717028	SB-14 (15-20)	EPA 3546	400169	EPA 8270E	400260
40235717029	SB-3 (8-10)	EPA 3546	400169	EPA 8270E	400260
40235717030	SB-4 (8-10)	EPA 3546	400169	EPA 8270E	400260
40235717031	SB-5 (12-15)	EPA 3546	400169	EPA 8270E	400260
40235717032	SB-9 (9-10)	EPA 3546	400169	EPA 8270E	400260
40235717001	SB-1 (2-4)	EPA 5035/5030B	399668	EPA 8260	399672
40235717002	SB-1 (4-6)	EPA 5035/5030B	399668	EPA 8260	399672
40235717003	SB-2 (0-2)	EPA 5035/5030B	399668	EPA 8260	399672
40235717004	SB-2 (4-6)	EPA 5035/5030B	399668	EPA 8260	399672
40235717005	SB-3 (2-4)	EPA 5035/5030B	399668	EPA 8260	399672
40235717006	SB-3 (10-12)	EPA 5035/5030B	399668	EPA 8260	399672
40235717007	SB-4 (6-8)	EPA 5035/5030B	399668	EPA 8260	399672
40235717008	SB-4 (10-12)	EPA 5035/5030B	399668	EPA 8260	399672
40235717009	SB-5 (8-10)	EPA 5035/5030B	399668	EPA 8260	399672
40235717010	SB-5 (10-12)	EPA 5035/5030B	399668	EPA 8260	399672
40235717011	SB-6 (0-5)	EPA 5035/5030B	399668	EPA 8260	399672
40235717012	SB-6 (7-10)	EPA 5035/5030B	399668	EPA 8260	399672
40235717013	SB-7 (4-6)	EPA 5035/5030B	399668	EPA 8260	399672
40235717014	SB-7 (6-8)	EPA 5035/5030B	399668	EPA 8260	399672
40235717015	SB-8 (0-5)	EPA 5035/5030B	399668	EPA 8260	399672
40235717016	SB-8 (8-10)	EPA 5035/5030B	399668	EPA 8260	399672
40235717017	SB-9 (2-4)	EPA 5035/5030B	399668	EPA 8260	399672
40235717018	SB-9 (7-9)	EPA 5035/5030B	399668	EPA 8260	399672
40235717019	SB-10 (4-6)	EPA 5035/5030B	399668	EPA 8260	399672
40235717020	SB-10 (8-10)	EPA 5035/5030B	399668	EPA 8260	399672
40235717021	SB-11 (2-4)	EPA 5035/5030B	400003	EPA 8260	400005
40235717022	SB-11 (8-10)	EPA 5035/5030B	400003	EPA 8260	400005
40235717023	SB-12 (0-5)	EPA 5035/5030B	400003	EPA 8260	400005
40235717024	SB-12 (15-18)	EPA 5035/5030B	400003	EPA 8260	400005
40235717025	SB-13 (5-10)	EPA 5035/5030B	400003	EPA 8260	400005
40235717026	SB-13 (10-15)	EPA 5035/5030B	400003	EPA 8260	400005
40235717027	SB-14 (0-5)	EPA 5035/5030B	400003	EPA 8260	400005
40235717028	SB-14 (15-20)	EPA 5035/5030B	400003	EPA 8260	400005
40235717029	SB-3 (8-10)	EPA 5035/5030B	400003	EPA 8260	400005
40235717030	SB-4 (8-10)	EPA 5035/5030B	400003	EPA 8260	400005
40235717031	SB-5 (12-15)	EPA 5035/5030B	400003	EPA 8260	400005
40235717032	SB-9 (9-10)	EPA 5035/5030B	400092	EPA 8260	400095
40235717033	TRIP BLANK	EPA 5035/5030B	400092	EPA 8260	400095
40235717008	SB-4 (10-12)	EPA 8260	401249		
40235717001	SB-1 (2-4)	ASTM D2974-87	399623		
40235717002	SB-1 (4-6)	ASTM D2974-87	399623		
40235717003	SB-2 (0-2)	ASTM D2974-87	399630		
40235717004	SB-2 (4-6)	ASTM D2974-87	399630		
40235717005	SB-3 (2-4)	ASTM D2974-87	399630		
40235717006	SB-3 (10-12)	ASTM D2974-87	399630		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 22.0009 FORMER MM
Pace Project No.: 40235717

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40235717007	SB-4 (6-8)	ASTM D2974-87	399630		
40235717008	SB-4 (10-12)	ASTM D2974-87	399630		
40235717009	SB-5 (8-10)	ASTM D2974-87	399630		
40235717010	SB-5 (10-12)	ASTM D2974-87	399630		
40235717011	SB-6 (0-5)	ASTM D2974-87	399630		
40235717012	SB-6 (7-10)	ASTM D2974-87	399630		
40235717013	SB-7 (4-6)	ASTM D2974-87	399630		
40235717014	SB-7 (6-8)	ASTM D2974-87	399630		
40235717015	SB-8 (0-5)	ASTM D2974-87	399630		
40235717016	SB-8 (8-10)	ASTM D2974-87	399630		
40235717017	SB-9 (2-4)	ASTM D2974-87	399630		
40235717018	SB-9 (7-9)	ASTM D2974-87	399630		
40235717019	SB-10 (4-6)	ASTM D2974-87	399630		
40235717020	SB-10 (8-10)	ASTM D2974-87	399630		
40235717021	SB-11 (2-4)	ASTM D2974-87	399638		
40235717022	SB-11 (8-10)	ASTM D2974-87	399638		
40235717023	SB-12 (0-5)	ASTM D2974-87	399638		
40235717024	SB-12 (15-18)	ASTM D2974-87	399638		
40235717025	SB-13 (5-10)	ASTM D2974-87	399638		
40235717026	SB-13 (10-15)	ASTM D2974-87	399638		
40235717027	SB-14 (0-5)	ASTM D2974-87	399638		
40235717028	SB-14 (15-20)	ASTM D2974-87	399638		
40235717029	SB-3 (8-10)	ASTM D2974-87	399638		
40235717030	SB-4 (8-10)	ASTM D2974-87	399638		
40235717031	SB-5 (12-15)	ASTM D2974-87	399638		
40235717032	SB-9 (9-10)	ASTM D2974-87	399638		

REPORT OF LABORATORY ANALYSIS

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Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Kapur

Project # 4025717

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed:

Date/Time:


Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

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			
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			

 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)

Project #:

WO#: 40235717

Client Name: Kapur

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: 2085-102221

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-107 Type of Ice: Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.0 / 1.0 / Corr: 1.0 / 1.0

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:	
Date: <u>10/25/17</u>	Initials: <u>SRK</u>
Labeled By Initials: <u>SKW</u>	

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 type="checkbox"/> Yes <input checked="" 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 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>003 + 021 WPFU no time</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>10/25/17</u> <u>SRK</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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>B106901VB</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