

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

Definitions

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

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

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

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

Select the Correct Form

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

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

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

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

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

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 Leja	First John	MI	Organization/ Business Name Wash Haus Development LLC
Mailing Address 8301 Machine Drive		City Madison	State WI
			ZIP Code 53717
Phone # (include area code) (608) 827-7000	Fax # (include area code)	Email JLEJA@ME.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 Leja	First John	MI	Organization/ Business Name Wash Haus Development LLC
Mailing Address 8301 Machine Drive		City Madison	State WI
			ZIP Code 53717
Phone # (include area code) (608) 827-7000	Fax # (include area code)	Email JLEJA@ME.COM	

Environmental Consultant (if applicable)

Contact Last Name Culp	First Thomas	MI J	Organization/ Business Name True North Consultants
Mailing Address 525 Junction Road		City Madison	State WI
			ZIP Code 53717
Phone # (include area code) (608) 212-1676	Fax # (include area code)	Email tculp@consulttruenorth.com	

Attorney (if applicable)

Contact Last Name Black	First Angie	MI	Organization/ Business Name Carlson Black O'Callaghan & Battenberg
Mailing Address 222 West Washington Ave., Ste 705		City Madison	State WI
			ZIP Code 53703
Phone # (include area code)	Fax # (include area code)	Email angie.black@carlsonblack.com	

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Section 2. Property Information

Property Name Klinke Cleaners		FID No. (if known) 113053820	
BRRTS No. (if known) 02-13-307195	Parcel Identification Number		
Street Address 412 East Washington Avenue	City Madison	State WI	ZIP Code
County Dane	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Madison	Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 0

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: 03/31/2021

Reason: Redevelopment will be starting

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. We are requesting review and approval of the Material Management Plan (MMP) for the Wash Haus Development/The Continental (fka Klinke Cleaners). The details how the trichloroethylene contaminated soil and groundwater will be addressed during redevelopment activities .

Section 5. Request for a Specialized Agreement

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

- 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: _____
- Phase II Environmental Site Assessment Report - Date: _____
- Legal Description of Property (required for all liability requests and specialized agreements)
- Map of the Property (required for all liability requests and specialized agreements)

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

- Groundwater Soil Sediment Other medium - Describe: _____

Date of Collection: _____

- A copy of the closure letter and submittal materials
- Draft tax cancellation agreement
- Draft agreement for assignment of tax foreclosure judgment
- Other report(s) or information - Describe: Material Management Plan, Wash Haus Development (fka Klinke Cleaners)

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

- Yes - Date (if known): _____
- No

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

Section 7. Certification by the Person who completed this form

- I am the person submitting this request (requester)
- I prepared this request for: John Lcja

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.

Signature

Date Signed

Thomas J. Culp, True North Consultants, Senior Project Manager

(608) 212-1676

Title

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

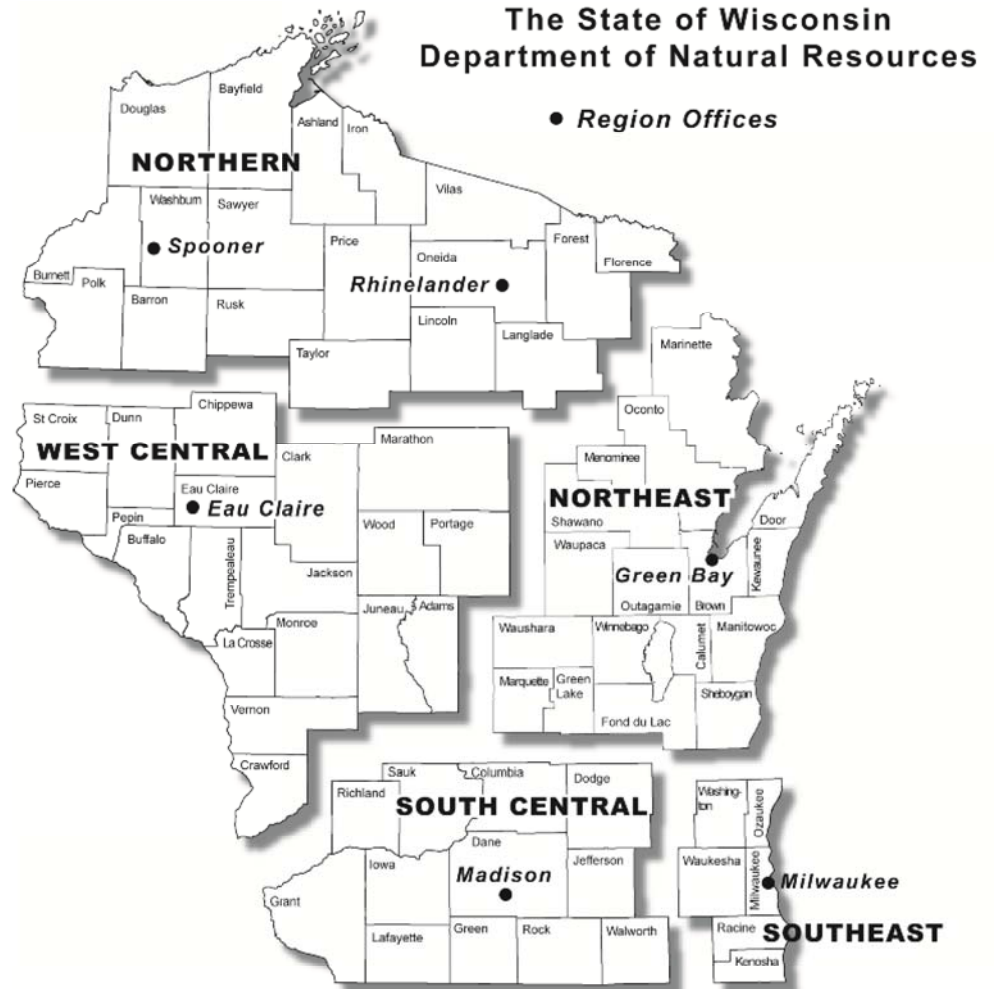
Attn: RR Program Assistant
Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg WI 53711

DNR SOUTHEAST REGION

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

DNR WEST CENTRAL REGION

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



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

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

February 5, 2021

Mr. Jeff Ackerman
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Madison, WI 53711

**SUBJECT: Material Management Plan
The Continental/Wash Haus Development (aka Klinke Cleaners)
412 East Washington Ave., Madison, Wisconsin
True North Project No.: T219051
WDNR BRRTS# 02-13-307195**

Dear Jeff:

True North Consultants, Inc. (True North) is pleased to submit for your review the Material Management Plan (MMP) for the above-referenced site. The MMP presents proposed strategies for handling waste materials while developing the property. We believe the management options in this MMP will prepare the property for reuse and also provide adequate protection to human health and the environment.

On behalf of the developer of the property, Wash Haus Development, LLC, we are requesting your review and written approval of this MMP. In accordance with NR 749, we have attached form 4400-237 along with the \$700 fee for technical review. If you need any additional information, please contact us at (608) 212-1676.

Regards,

TRUE NORTH CONSULTANTS, INC.



Thomas J. Culp, PG
Senior Project Manager

cc: Mr. John Leja, Wash Haus Development, LLC

Enclosure: Material Management Plan

A topographic map with contour lines and elevation markers (e.g., 650, 670, 690, 710, 730, 750, 770, 790, 810, 830, 850, 870, 890, 910, 930, 950, 970, 990, 1010, 1030, 1050, 1070, 1090, 1110, 1130, 1150, 1170, 1190, 1210, 1230, 1250, 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610, 1630, 1650, 1670, 1690, 1710, 1730, 1750, 1770, 1790, 1810, 1830, 1850, 1870, 1890, 1910, 1930, 1950, 1970, 1990, 2010, 2030, 2050, 2070, 2090, 2110, 2130, 2150, 2170, 2190, 2210, 2230, 2250, 2270, 2290, 2310, 2330, 2350, 2370, 2390, 2410, 2430, 2450, 2470, 2490, 2510, 2530, 2550, 2570, 2590, 2610, 2630, 2650, 2670, 2690, 2710, 2730, 2750, 2770, 2790, 2810, 2830, 2850, 2870, 2890, 2910, 2930, 2950, 2970, 2990, 3010, 3030, 3050, 3070, 3090, 3110, 3130, 3150, 3170, 3190, 3210, 3230, 3250, 3270, 3290, 3310, 3330, 3350, 3370, 3390, 3410, 3430, 3450, 3470, 3490, 3510, 3530, 3550, 3570, 3590, 3610, 3630, 3650, 3670, 3690, 3710, 3730, 3750, 3770, 3790, 3810, 3830, 3850, 3870, 3890, 3910, 3930, 3950, 3970, 3990, 4010, 4030, 4050, 4070, 4090, 4110, 4130, 4150, 4170, 4190, 4210, 4230, 4250, 4270, 4290, 4310, 4330, 4350, 4370, 4390, 4410, 4430, 4450, 4470, 4490, 4510, 4530, 4550, 4570, 4590, 4610, 4630, 4650, 4670, 4690, 4710, 4730, 4750, 4770, 4790, 4810, 4830, 4850, 4870, 4890, 4910, 4930, 4950, 4970, 4990, 5010, 5030, 5050, 5070, 5090, 5110, 5130, 5150, 5170, 5190, 5210, 5230, 5250, 5270, 5290, 5310, 5330, 5350, 5370, 5390, 5410, 5430, 5450, 5470, 5490, 5510, 5530, 5550, 5570, 5590, 5610, 5630, 5650, 5670, 5690, 5710, 5730, 5750, 5770, 5790, 5810, 5830, 5850, 5870, 5890, 5910, 5930, 5950, 5970, 5990, 6010, 6030, 6050, 6070, 6090, 6110, 6130, 6150, 6170, 6190, 6210, 6230, 6250, 6270, 6290, 6310, 6330, 6350, 6370, 6390, 6410, 6430, 6450, 6470, 6490, 6510, 6530, 6550, 6570, 6590, 6610, 6630, 6650, 6670, 6690, 6710, 6730, 6750, 6770, 6790, 6810, 6830, 6850, 6870, 6890, 6910, 6930, 6950, 6970, 6990, 7010, 7030, 7050, 7070, 7090, 7110, 7130, 7150, 7170, 7190, 7210, 7230, 7250, 7270, 7290, 7310, 7330, 7350, 7370, 7390, 7410, 7430, 7450, 7470, 7490, 7510, 7530, 7550, 7570, 7590, 7610, 7630, 7650, 7670, 7690, 7710, 7730, 7750, 7770, 7790, 7810, 7830, 7850, 7870, 7890, 7910, 7930, 7950, 7970, 7990, 8010, 8030, 8050, 8070, 8090, 8110, 8130, 8150, 8170, 8190, 8210, 8230, 8250, 8270, 8290, 8310, 8330, 8350, 8370, 8390, 8410, 8430, 8450, 8470, 8490, 8510, 8530, 8550, 8570, 8590, 8610, 8630, 8650, 8670, 8690, 8710, 8730, 8750, 8770, 8790, 8810, 8830, 8850, 8870, 8890, 8910, 8930, 8950, 8970, 8990, 9010, 9030, 9050, 9070, 9090, 9110, 9130, 9150, 9170, 9190, 9210, 9230, 9250, 9270, 9290, 9310, 9330, 9350, 9370, 9390, 9410, 9430, 9450, 9470, 9490, 9510, 9530, 9550, 9570, 9590, 9610, 9630, 9650, 9670, 9690, 9710, 9730, 9750, 9770, 9790, 9810, 9830, 9850, 9870, 9890, 9910, 9930, 9950, 9970, 9990) is on the left side of the page.

Material Management Plan

The Continental

412-414 East Washington Avenue
Madison, Wisconsin

PREPARED FOR

The Continental

Wash Haus Development, LLC
8301 Machine Drive
Madison, Wisconsin 53717

PREPARED BY

True North Consultants, Inc.

525 Junction Road, Suite 1900
Madison, Wisconsin 53717
Tele: 608.212.1676

PROJECT NUMBER

T219051

SUBMITTED ON

January 14, 2021





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I.0 INTRODUCTION

1.1 *Purpose of the Material Management Plan*

True North has developed this Material Management Plan (MMP) to minimize environmental risks associated with the development of the property known as The Continental, 412-414 East Washington Avenue, Madison, Wisconsin. The Continental site encompasses a Wisconsin Department of Natural Resources (WDNR) environmental repair program site (ERP) site known as Klinke Cleaners BRRTS #02-13-307195 (**Figure 1**). The purpose of this plan is to describe how volatile organic compound (VOC) contaminated soil will be managed during redevelopment of the site. Redevelopment will consist of excavating a large portion of the site to a depth of 25-feet to 33-feet below ground surface (bgs) to construct underground parking for mixed use apartment buildings. Redevelopment plans are included in **Attachment A**.

1.2 *Location and Background Information*

The property is a former dry cleaning facility. Madison Steam Dye Works operated at the property from the 1940's to 1982. Klinke Cleaners purchased the property in 1983 and operated it as a dry cleaner until 2011. Klinke ceased utilizing tetrachloroethene (aka perchloroethylene, or PCE) in 2003 and ceased on-site dry cleaning operations in 2011.

In January 2002, Klinke retained a consultant to investigate the storage tanks at the site. PCE and trichloroethene (TCE) were detected in groundwater at the site at concentrations ranging from 54 ug/l to 790 ug/l. The site was reported as a release on May 4, 2002. Klinke retained a different consultant to install soil borings and monitoring wells. Four soil borings were advanced outside the building and four hand auger borings were advanced inside the building. Concentrations of PCE in soil from samples collected inside the building footprint ranged from 70 ug/kg to 16,000 ug/kg. Concentration of PCE in groundwater ranged from <5 ug/l to 180 ug/l.

Additional wells and piezometers were installed as part of the site investigation to determine the extent of groundwater contamination. A figure showing investigation borings and monitoring wells is included as **Figure 2**. Previous consultant's investigation figures are included in **Attachment B**.

The site was closed in 2007 with several site conditions including:

- Pre-development sampling of soil to determine if contamination remains
- If contaminated soil is disturbed, it must be determined if it is hazardous or solid waste before being taken off-site for disposal.
- Precautions would need to be taken if soil is excavated to prevent any inhalation or direct contact threat.
- Monitoring wells be abandoned.

1.3 *Additional Site Investigation Results*

Additional soil borings were installed in December 2020 in order to determine if contaminated soil remained at the site and to determine if the contaminated soil would



be hazardous or solid waste (see **Figure 2**). A total of seven geoprobe borings were installed at the site and nearby properties in order to obtain data to address contaminated soil when excavation during development at the site occurred.

1.3.1 Soil Quality

The seven borings installed at the site (GB-1 through GB-7). The borings were logged continuously. Subsurface soils at the property generally consisted of sand, silty sand, and silts. Groundwater was not encountered at the maximum boring depth of 18 feet. Soil samples were collected for laboratory analysis from two intervals at all the boring, except BP-6 where three soil samples were collected. Subsurface soils at the property generally consisted of sand, silty sand, and silts. Groundwater was not encountered at the maximum boring depth of 18 feet. Soil boring logs and abandonment forms are included as **Attachment C**.

All soil samples collected were analyzed for volatile organic compounds (VOCs). VOCs were detected in soil samples from GP-1 and GP-5 at concentrations exceeding the Wisconsin Administrative Code NR720 Residual Contaminant Levels (RCL) protection of groundwater pathway. VOCs were not detected in soil samples collected from GP-2 through GP-5 and GP-7.

Historic urban fill material was identified in the shallow soil at GP-6. A soil sample was collected from this material to be analyzed for polynuclear aromatic hydrocarbons (PAHs). Low concentrations of PAHs were detected, well below NR720 RCLs. All detections were “J” flagged, meaning they were estimated concentrations at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).

Boring locations are shown on **Figure 2**. Laboratory analytical reports are included in **Attachment D**. A generalized estimated extent of soil contamination figure for the development area (pre-development conditions) is included as **Figure 3**. This figure illustrates the extent of soil with VOC detections from previous and current investigation and sampling. It is an estimate only. Soil analytical results from the December 2020 are summarized on **Table 1**. Previous consultant sampling results are included in **Attachment B**.

1.3.2 Groundwater Quality

The groundwater table was measured at an elevation of approximately 850 feet to 853 feet above mean sea level (amsl) during the previous investigation. The elevation of the site changes from a low point of 870 feet amsl at the east corner to 881 feet amsl at the sites west corner. This results in a depth to groundwater ranging from 18 to 28 feet below ground surface (bgs). Groundwater samples collected during the previous investigation indicated PCE groundwater impacts in groundwater from the Klinkes building extending north and east.



The previous consultants plan map of extent of groundwater PCE contamination is included in **Attachment B**.

1.4 Contaminated Soil

Soil contamination in the Klinke area appears to be concentrated beneath the Klinkes building and extend towards the north. Existing buildings prevented installation of borings in the area north of Klinke in the proposed development area. **Figure 4** illustrates the approximate extent of soil contamination proposed for landfill disposal with notes for where clean overburden is expected to be excavated to access contaminated soil and where PCE-contaminated saturated soil is expected. **Figure 5** is profile view from East Washington Avenue of the development showing the extent of soil to be excavated, taking into account the change in ground surface elevation.

2.0 MATERIAL MANAGEMENT

2.1 Proposed Development

The Continental development consists of a multi-story residential building with two levels of underground parking (a third level of parking is exposed at the developments east corner (Klinkes) and underground at the building west corner. The ground surface for the proposed development site changes from a low point of 870 feet amsl at the east corner to 881 feet amsl at the sites west corner. The building footprint takes up the majority the development area. The development has three proposed parking levels. In the area of the Klinke property, the parking starts at grade level and goes two levels down for a total excavation depth of 25 feet below the Klinke floor elevation. A copy of the proposed development plan illustrating buildings and profile views of the development is included as **Attachment A**. **Figure 5** is profile view from East Washington Avenue of the development showing the extent of soil to be excavated, taking into account the change in ground surface elevation.

A significant amount of soil will be taken off-site as part of the underground parking construction. An estimated 13,000 tons of the total underground parking excavation is anticipated to be contaminated with PCE and will be disposed of as special waste at a licensed landfill.

The excavation may extend up to two feet into the water table. A portion of the planned development falls within the estimated extent of groundwater contamination identified by the previous consultant. If dewatering is required during development, either the water will be discharged to the sanitary sewer (under permit by the City of Madison and Madison Metro Sewerage District) or a WPDES permit will be obtained for discharge to the storm sewer.

2.2 Soil Management

A waste characterization sample (“Waste Disposal”) was collected as a composite sample from GP-1 and GP-2 and was submitted for laboratory analysis of VOCs, PAHs, metals, sulfur, and sulfate. The results for PCE in the sample are 147 ug/kg. This result is well

under the “contained-out” value of 153 mg/kg as published in Table 1 of WDNR RR-969. The Waste Disposal laboratory analytical report is included in **Attachment D**.

A soil disposal profile and agreement is in place with Waste Management to accept the contaminated soil. An estimated 13,000 tons of PCE-contaminated soil generated during excavation of the site will be hauled directly to Waste Management Madison Prairie Landfill in Sun Prairie, Wisconsin. **Figure 4** illustrates the approximate extent of soil contamination proposed for landfill disposal with notes for where clean overburden is expected to be excavated to access contaminated soil and where PCE-contaminated saturated soil is expected. **Figure 5** is profile view from East Washington Avenue of the development showing the extent of soil to be excavated, taking into account the change in ground surface elevation.

The contaminated excavation will be limited by the property line adjacent to East Washington Avenue and Hancock Street. As the excavation reaches the limits of the estimated contamination to the west and north, the excavation will be halted and soil sidewall and/or base samples will be collected for laboratory analysis of VOCs to ensure the limits of contaminated soil have been reached before taking remaining soil to a clean fill site. Samples will be analyzed on a 24-hour turnaround.

Any areas with sidewall or base samples with detections of VOCs will be taken to the landfill and additional sidewall or base samples will be collected until no VOCs are detected.

2.3 Groundwater Management

Groundwater dewatering will be required for the site during the construction of the underground parking, as the excavation is expected to be as much as 2-feet into the water table. A comprehensive dewatering system will be installed drawing from multiple points at the site. Contractors employed by developer will obtain the proper WPDES permits to discharge the water to the storm sewer or permits will be obtained for direct discharge to the sanitary sewer. The contractor will retain True North to sample the discharge water in accordance with the permit conditions.

If a permanent dewatering system is planned, provisions will be made to discharge to the sanitary sewer until sampling can confirm the discharge meets the WPDES permit conditions, or is clean.

2.4 Vapor Management

The underground parking will have an air exchange system as required for venting for automobile exhaust. There is no other vapor management necessary for this site.

2.5 Unusual Conditions

The contractor will inform its earthwork subcontractors of the possibility of other unknown sources of contamination on the property. If any unusual odors, staining, fluids, or piping are found, work will stop in that area, the contractor will notify True North of the conditions, and True North will mobilize to the site to assess the situation.



If contaminated material is encountered that is significantly different than what has been previously identified during the investigation activities, it will be evaluated by True North. If warranted, WDNR notification will be made and possible changes for off-site disposal at a licensed landfill may be implemented.

2.6 Reporting

A brief letter report will be submitted at the completion of the soil handling activities at the site. The letter report will detail the final landfill amounts and any deviations from the MMP. A post-closure modification request be made to the WDNR upon completion of the redevelopment activities.

3.0 ROLES AND RESPONSIBILITIES

The following roles and responsibilities have been identified for this project:

Owner or Construction Manager/Owner's Agent (The Continental)

- Performs overall project scheduling and retains civil engineer, environmental consultant, and contractor.

Civil Engineer (Vierbicher)

- Develops plans and specifications for any project earthwork incorporating the requirements of the MMP and provides capping of any remaining contaminated soil.

Environmental Consultant (True North)

- Provides on-site observation and documentation during earthwork activities at the property.
- Provides field direction for removal of contaminated soil.
- Provides sample collection for laboratory analysis of progress samples to determine final extents of contaminated soil excavation.
- Manages any special or unanticipated environmental conditions encountered during development of the property.
- Provides final documentation of contaminated soil removal and prepares a Cap Maintenance Plan for inclusion in post-closure modification request.

Earthwork Contractor (Terra Engineering)

- Performs earthwork in accordance with the project construction plans and specifications.
- Obtains WPDES permit and performs dewatering activities in accordance with permit conditions.
- Informs environmental engineer of schedule and any unusual conditions encountered during development.



4.0 CERTIFICATIONS

Professional Engineer

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

01/14/2021

Ryan M. LaDieu

Signature, date, printed name



P.E. stamp and number

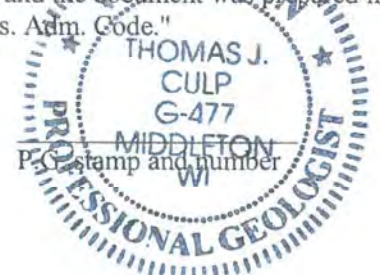
Hydrogeologist

"I, Thomas J. Culp, hereby certify that I am a hydrogeologist as that term is defined in s. NR 100.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

01/14/2021

Thomas J. Culp

Signature, date, printed name



P.G. stamp and number



FIGURES



— APPROXIMATE SITE BOUNDARY

TRUENORTH
CONSULTANTS

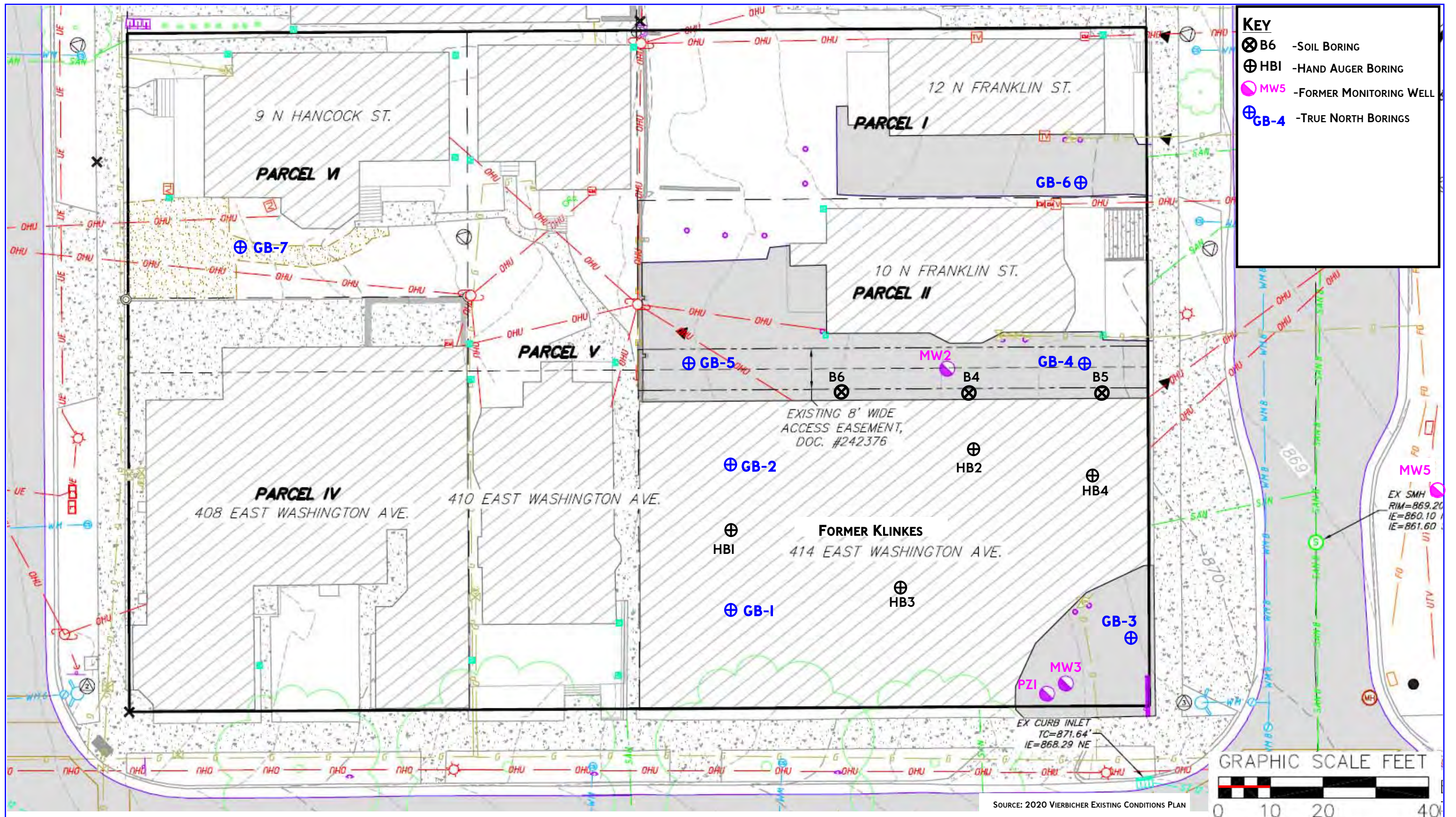
525 JUNCTION ROAD
SUITE 1900
MADISON, WISCONSIN 53717

SITE LOCATION	THE CONTINENTAL (FKA KLINKE CLEANERS) 412-414 EAST WASHINGTON AVENUE MADISON, WI 53703
CLIENT	WASH HAUS DEVELOPMENT, LLC 8301 MACHINE DRIVE MADISON, WI 53717



NOT TO SCALE

FIGURE	I
PROJECT NUMBER	T219051
DATE	01/06/2021



525 JUNCTON ROAD
 SUITE 1900
 MADISON, WISCONSIN

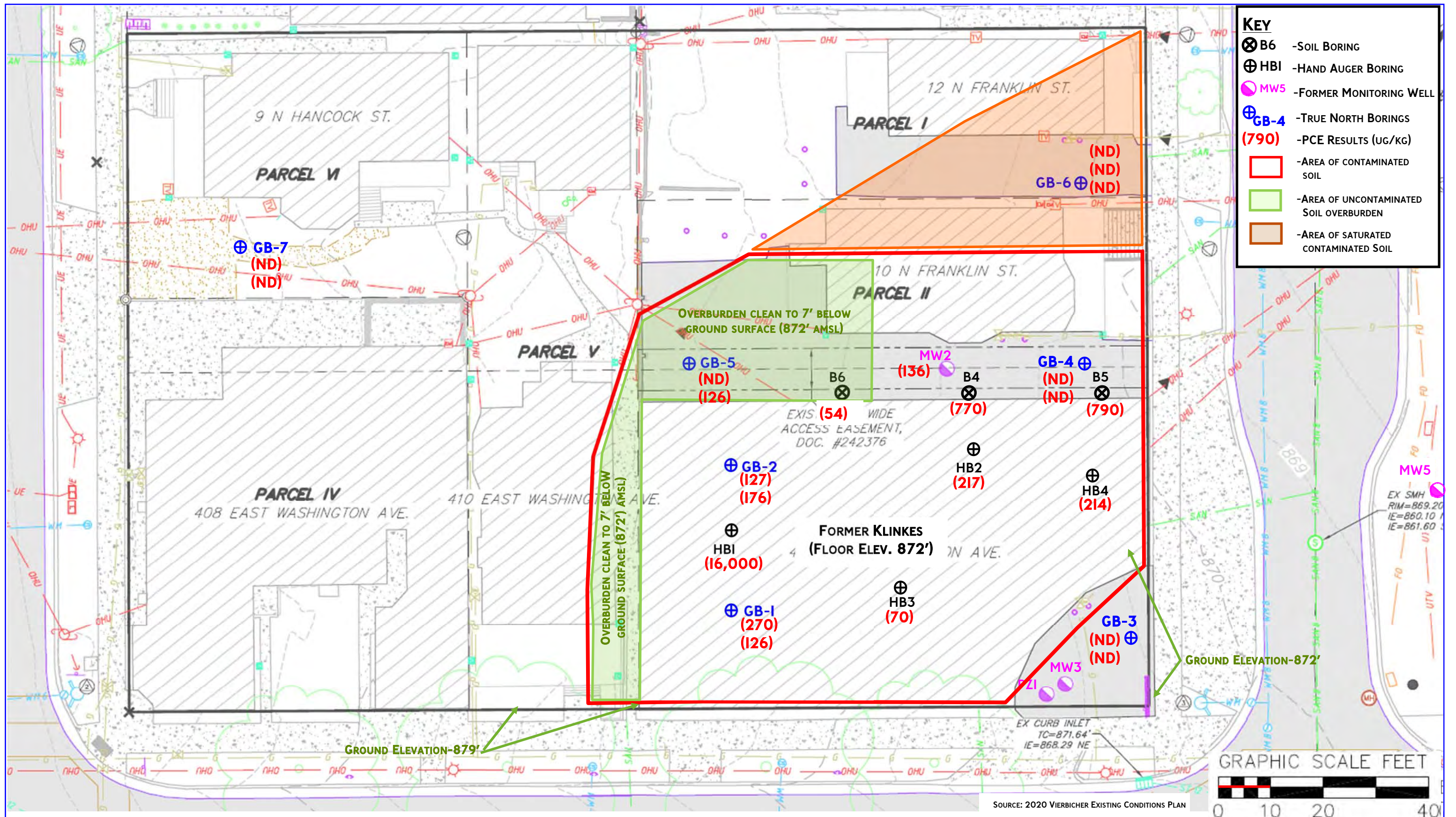
CLIENT
 WASH HAUS DEVELOPMENT, LLC
 830I MACHINE DRIVE
 MADISON, WI 53717

SITE LOCATION
 THE CONTINENTAL (FKA KLINKE CLEANERS)
 412-414 EAST WASHINGTON AVENUE
 MADISON, WI 53703

FIGURE 2
 SITE PLAN MAP



FIGURE 2
 PROJECT NUMBER T21905I
 DATE 12/21/2020



525 JUNCTON ROAD
SUITE 1900
MADISON, WISCONSIN

CLIENT

WASH HAUS DEVELOPMENT, LLC
830I MACHINE DRIVE
MADISON, WI 53717

SITE LOCATION

THE CONTINENTAL (FKA KLINKE CLEANERS)
412-414 EAST WASHINGTON AVENUE
MADISON, WI 53703

FIGURE

3

CONTAMINATED SOIL EXTENTS

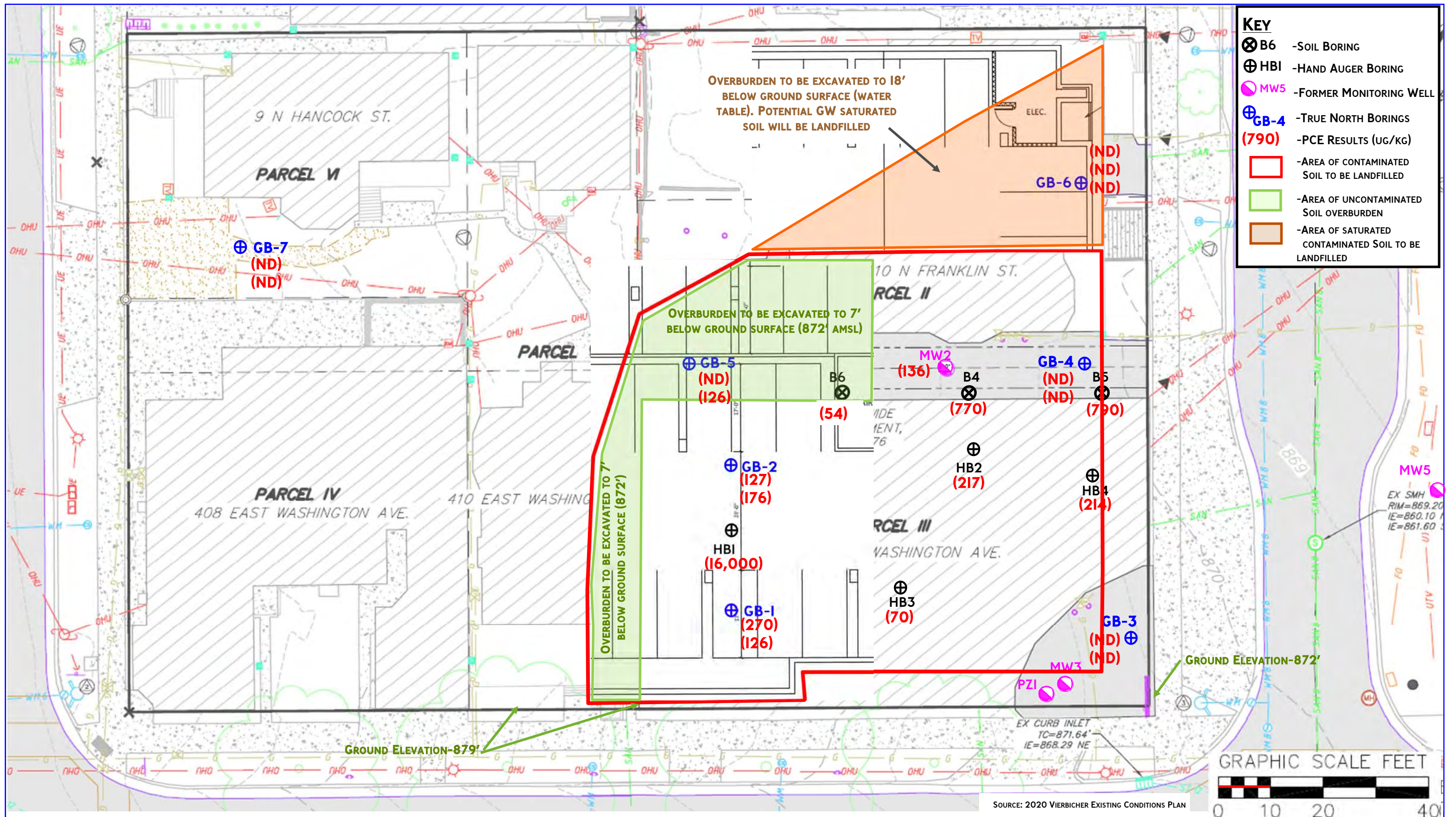


FIGURE

3

PROJECT NUMBER
T21905I

DATE
12/21/2020



525 JUNCTON ROAD
SUITE 1900
MADISON, WISCONSIN

CLIENT

WASH HAUS DEVELOPMENT, LLC
830I MACHINE DRIVE
MADISON, WI 53717

SITE LOCATION

THE CONTINENTAL (FKA KLINKE CLEANERS)
412-414 EAST WASHINGTON AVENUE
MADISON, WI 53703

FIGURE

4

EXCAVATION PLAN MAP

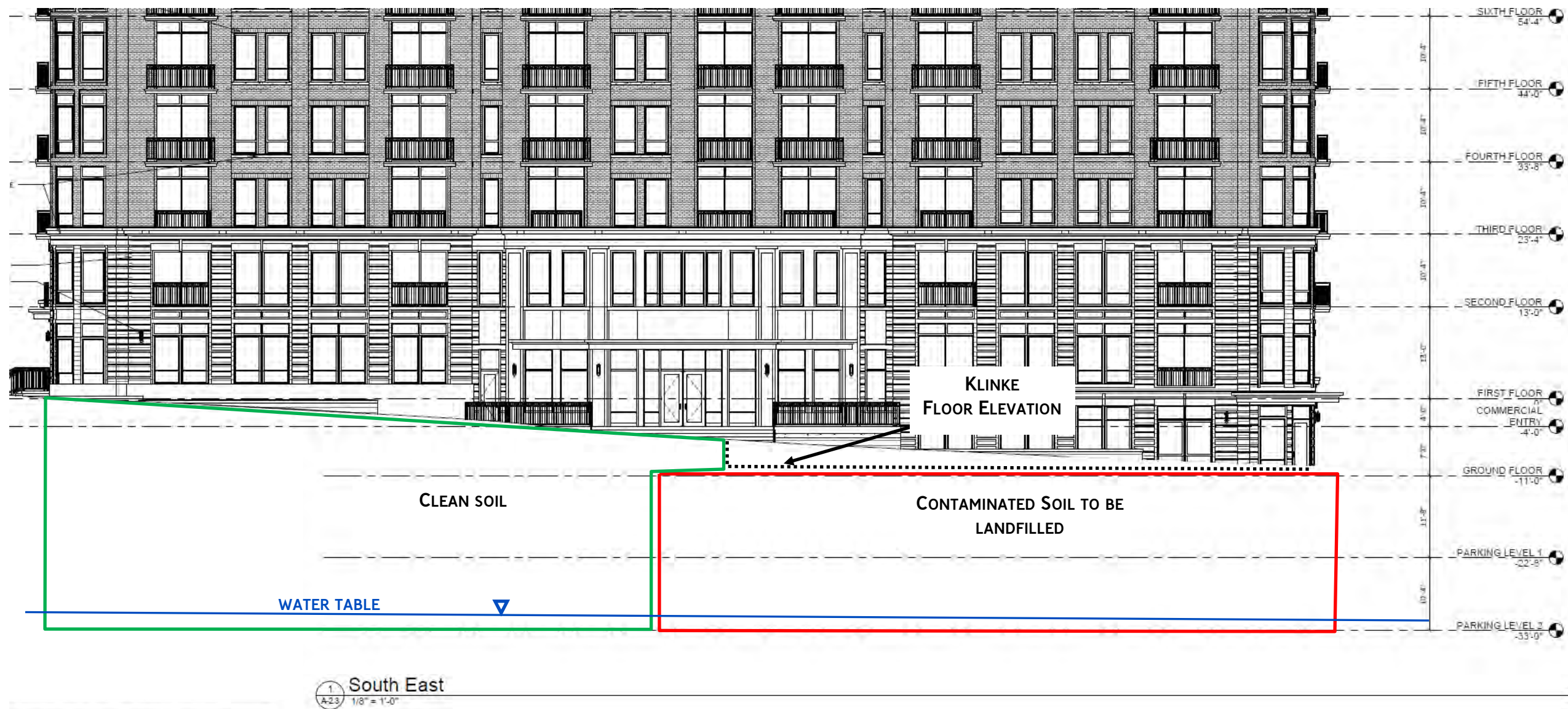


FIGURE

4

PROJECT NUMBER
T21905I

DATE
12/21/2020



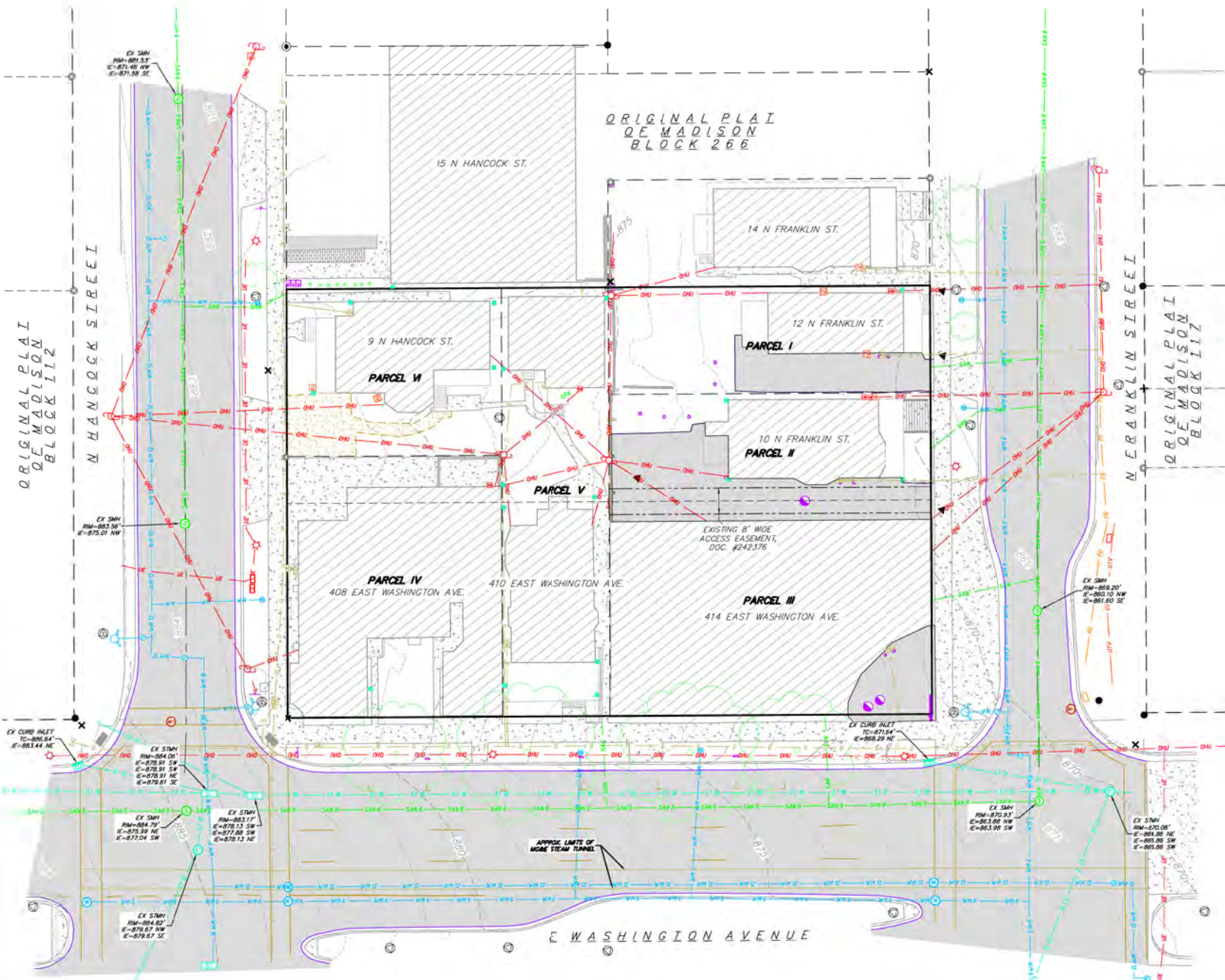
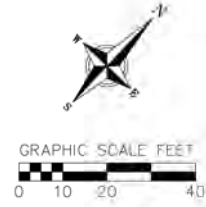


TABLES



ATTACHMENT A

Development Plans



SURVEYED FOR: LZ VENTURES, ATTN: JOHN LEJA, 5603 SURREY LANE, WAUNAKEE, WI 53703. SURVEYED BY: VIERBICHER ASSOCIATES, INC., 999 FOURIER DRIVE, STE. 201, MADISON, WI 53717. (608)-821-3955, mmir@vierbicher.com

- NOTES: 1. This survey was prepared based upon information provided in ALTA Commitment for Title Insurance... 2. The parcel surveyed contains 7.76 Acres or 338,182 sq. ft. more or less. 3. This survey is based upon field survey work performed between Marcy 17 and March 25, 2020. 4. Benchmarks shall be verified prior to construction. 5. Elevations depicted on this survey are based upon NAVD83 Datum. (2012 Geoid) 6. Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, or ownership title evidence. 7. Utility locations were field located based upon substantial, visible, above ground structures, upon maps provided to the surveyor, or upon markings on the ground placed by utility companies and/or their agent's.

- TOPOGRAPHIC SYMBOL LEGEND: EXISTING BOLLARD, EXISTING MAILBOXES, EXISTING MONITORING WELL, EXISTING POST, EXISTING SIGN, EXISTING PARKING METER, EXISTING CURB INLET, EXISTING ROOF DRAIN, EXISTING STORM MANHOLE, EXISTING STORM MANHOLE RECTANGULAR, EXISTING SANITARY CLEANOUT, EXISTING SANITARY MANHOLE, EXISTING FIRE HYDRANT, EXISTING WATER MAIN VALVE, EXISTING CURB STOP, EXISTING WATER MANHOLE, EXISTING GAS VALVE, EXISTING GAS METER, EXISTING DOWN GUY, EXISTING ELECTRIC RECTANGULAR MANHOLE, EXISTING ELECTRIC METER, EXISTING LIGHT POLE, EXISTING UTILITY POLE, EXISTING TV PEDESTAL, EXISTING TELEPHONE PEDESTAL, EXISTING UNIDENTIFIED MANHOLE, EXISTING SHRUB, EXISTING DECIDUOUS TREE.

- SURVEY LEGEND: BENCHMARK, FOUND CHISELED 'X', FOUND 1" # IRON PIPE, FOUND 2" # IRON PIPE, FOUND P.K. NAIL, FOUND 1 1/4" # IRON ROD, FOUND 3/4" # IRON ROD, SET NAIL.

- TOPOGRAPHIC LINEWORK LEGEND: EXISTING UNDERGROUND CABLE TV, EXISTING FIBER OPTIC LINE, EXISTING WOOD FENCE, EXISTING GAS LINE, EXISTING UNDERGROUND ELECTRIC LINE, EXISTING OVERHEAD GENERAL UTILITIES, EXISTING SANITARY SEWER LATERAL, EXISTING 6" SANITARY SEWER LINE, EXISTING 8" SANITARY SEWER LINE, EXISTING STORM SEWER, EXISTING 12" STORM SEWER LINE, EXISTING 15" STORM SEWER LINE, EXISTING 18" STORM SEWER LINE, EXISTING WATER SERVICE, EXISTING 6" WATER MAIN, EXISTING 12" WATER MAIN, EXISTING 16" WATER MAIN, EXISTING MAJOR CONTOUR, EXISTING MINOR CONTOUR.

- PROJECT BENCHMARKS: BENCHMARK 1 - ELEV.=888.42'; TOP NUT OF FIRE HYDRANT LOCATED IN WEST QUADRANT OF N HANCOCK STREET AND E WASHINGTON AVENUE. BENCHMARK 2 - ELEV.=885.98'; TOP NUT OF FIRE HYDRANT LOCATED IN NORTH QUADRANT OF N HANCOCK STREET AND E WASHINGTON AVENUE. BENCHMARK 3 - ELEV.=873.49'; TOP NUT OF FIRE HYDRANT LOCATED IN WEST QUADRANT OF N FRANKLIN STREET AND E WASHINGTON AVENUE.

- TOPOGRAPHIC HATCHING LEGEND: DETECTABLE WARNING PAVER, CONCRETE PAVEMENT OR CONCRETE SIDEWALK, ASPHALT PAVEMENT, CONCRETE WALL, GRAVEL.



THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE 1-800-242-8511

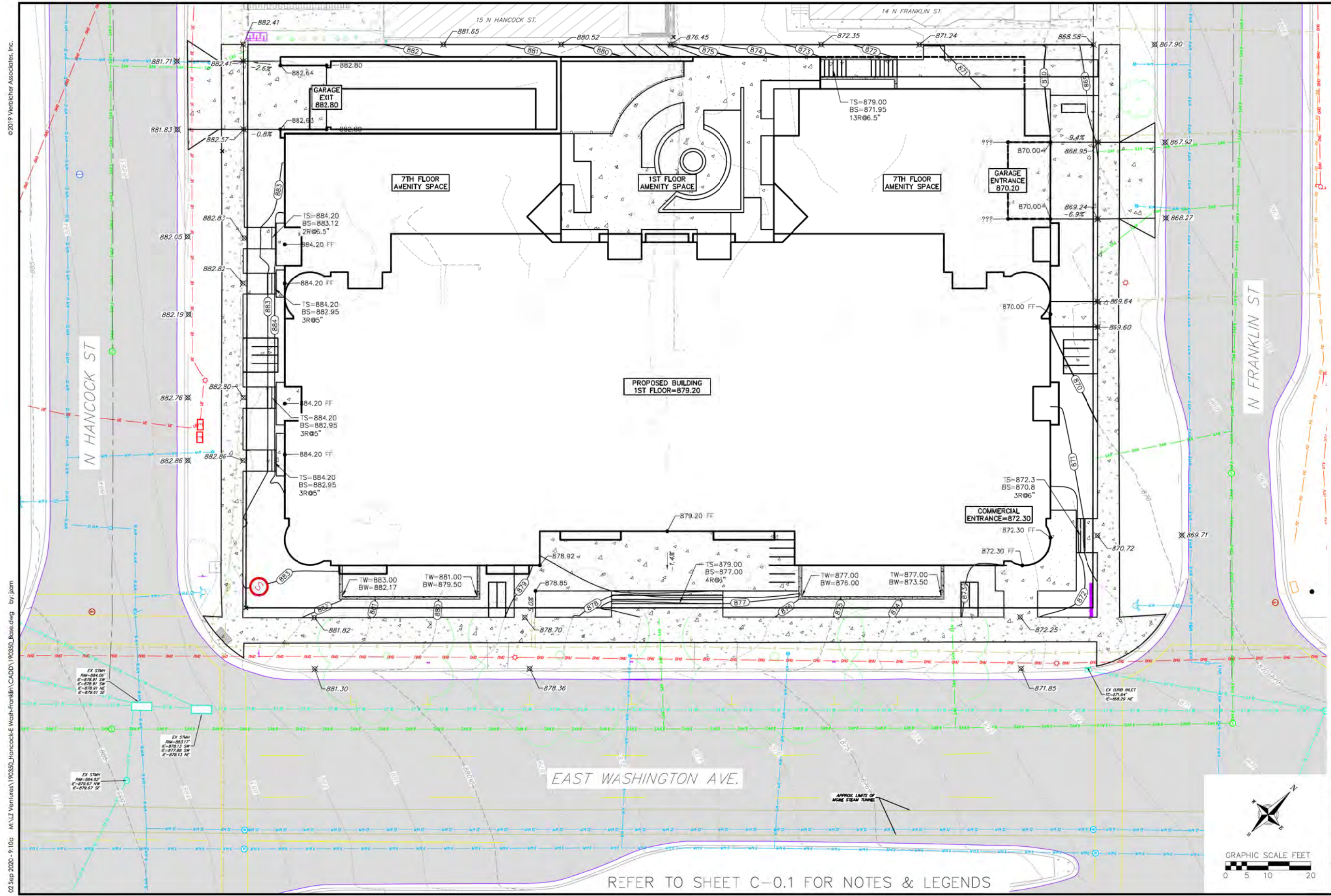


Existing Conditions Plan The Continental 414 East Washington Avenue Madison, Dane County, Wisconsin

Table with 2 columns: REVISIONS, NO., DATE, REMARKS. Contains 4 rows of revision data.

SCALE AS SHOWN DATE 09/02/2020 DRAFTER ZDRE CHECKED JZAM PROJECT NO. 190350

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02 Sep 2020 - 9:10a M:\ALZ Ventures\190350_HancockE Wash-Franklin\CADD\190350_Base.dwg by:jzam

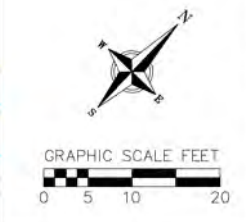


Grading Plan
 The Continental
 414 East Washington Avenue
 Madison, Dane County, Wisconsin

REVISIONS	NO.	DATE	REMARKS

SCALE	AS SHOWN
DATE	09/02/2020
DRAWER	JZAM
CHECKED	JZAM
PROJECT NO.	190350

C
3.0



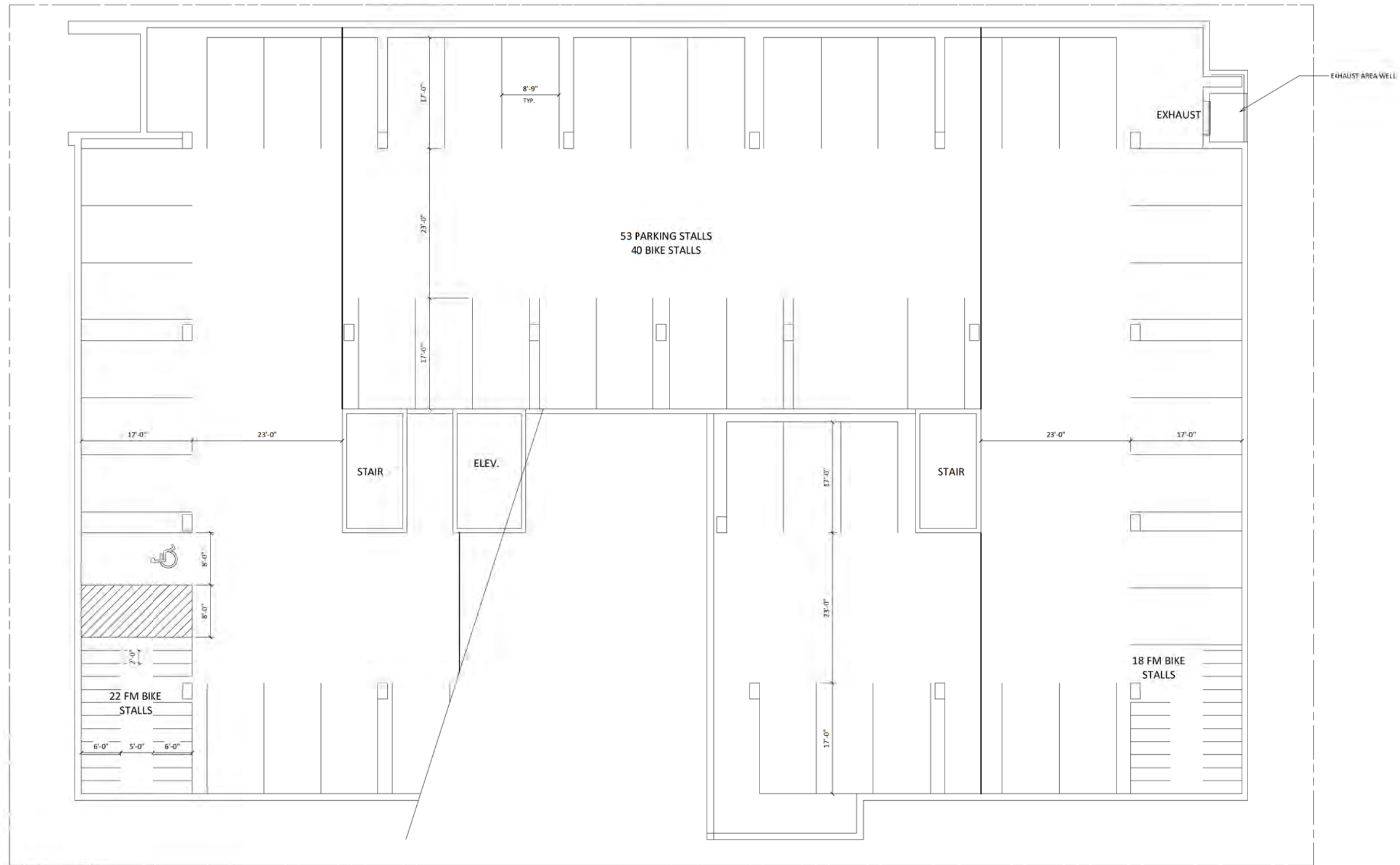
REFER TO SHEET C-0.1 FOR NOTES & LEGENDS



knothe + bruce
ARCHITECTS

knothebruce.com 608.836.3300
7801 University Ave. • Suite 201 • Middleton, WI 53562

KEY PLAN



ISSUED
Issued for Land Use April 1, 2020

PROJECT TITLE
**THE
CONTINENTAL**

414 E Washington
Ave

SHEET TITLE
**UNDERGROUND
PARKING LEVEL
2**

SHEET NUMBER

A-1.P2

PROJECT NUMBER 1972

© Knothe & Bruce Architects, LLC

1 UNDERGROUND PARKING LEVEL 2
A-1.P2 1/8" = 1'-0"



knothe + bruce
ARCHITECTS

11000 Bruce Ave. • Suite 201 • Middleton, WI 53562
608.836.3300

KEY PLAN

ISSUED
Issued for Land Use April 1, 2020

PROJECT TITLE
**THE
CONTINENTAL**

414 E Washington
Ave

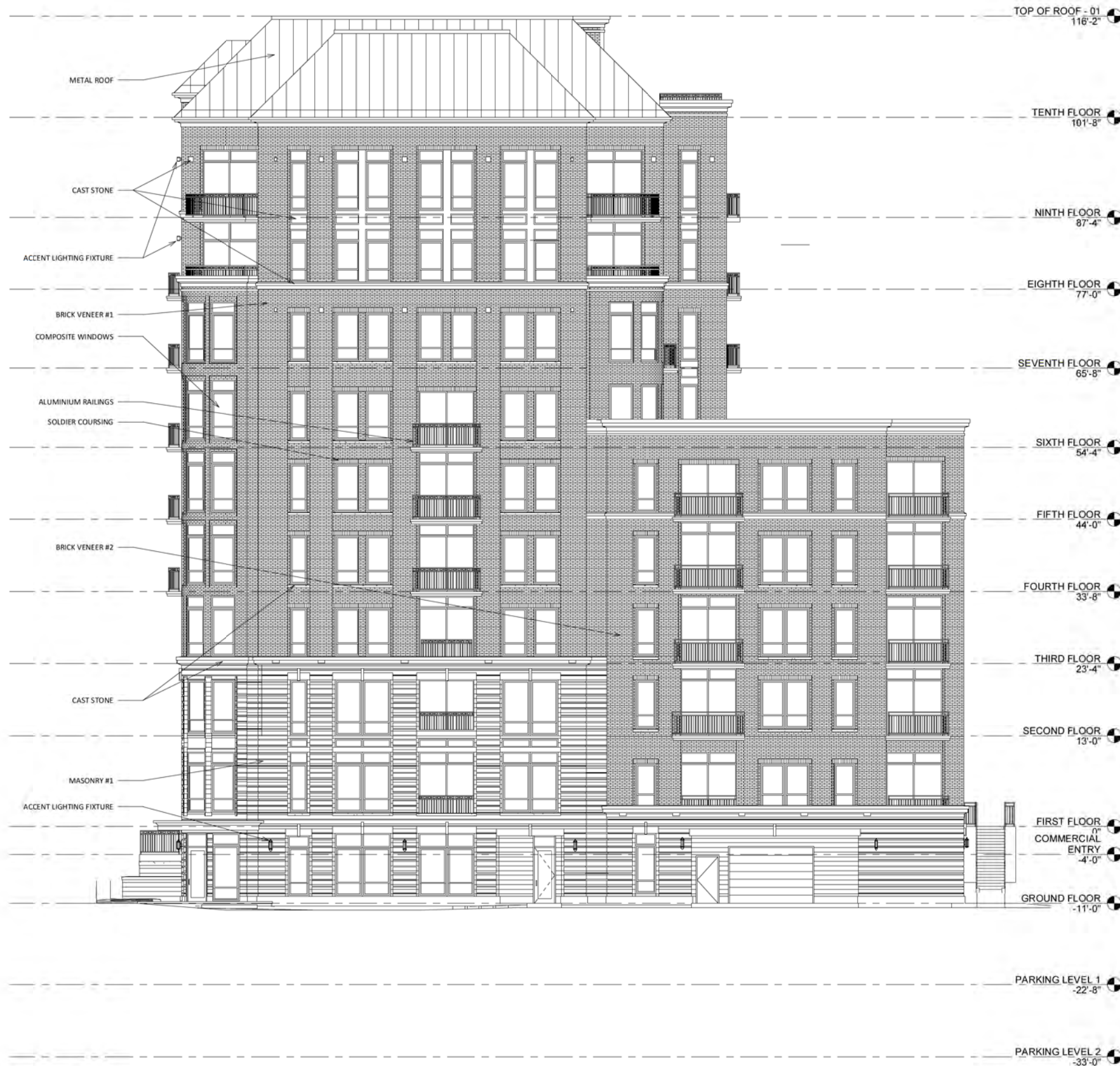
SHEET TITLE
**EXTERIOR
ELEVATIONS**

SHEET NUMBER

A-2.1

PROJECT NUMBER **1972**

© Knothe & Bruce Architects, LLC



EXTERIOR MATERIAL SCHEDULE		
BUILDING ELEMENT	MANUFACTURER	COLOR
BRICK VENEER - (#1)	SUMMIT	FAWN SMOOTH
BRICK VENEER - (#2)	CLOUD CERAMICS	KANSAS GOLD
MASONRY - (#1) - ARRISCRAFT RENAISSANCE STONE OR CORDOVA STONE BUFF	ARRISCRAFT	SANDRIFT
STANDING SEAM METAL ROOF	(TBD)	SLATE
WINDOWS	N/A	CAMEO
STOREFRONT	FIBERGLASS OR ALUMINIUM	BLACK
METAL DOORS/FRAMES	N/A	(TBD)
STONE SILLS & BANDS	EDWARDS	COLOR TO MATCH STONE VENEER
SOFFITS & FASCIA	N/A	(TBD)
RAILINGS	N/A	BLACK

Elevations - Exterior Material Schedule
1/8" = 1'-0"

1 North East
A-2.1 1/8" = 1'-0"



knothe + bruce
ARCHITECTS

608.836.3300
7801 University Ave. • Suite 201 • Milwaukee, WI 53222

KEY PLAN

ISSUED
Issued for Land Use April 1, 2020
Issued for Land Use September 2, 2020

PROJECT TITLE
THE CONTINENTAL

414 E Washington Ave

SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NUMBER

A-2.3

PROJECT NUMBER 1972

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EXTERIOR MATERIAL SCHEDULE		
BUILDING ELEMENT	MANUFACTURER	COLOR
BRICK VENEER - (#1)	SUMMIT	FAWN SMOOTH
BRICK VENEER - (#2)	CLOUD CERAMICS	KANSAS GOLD
MASONRY - (#1) - ARRISCRAFT RENAISSANCE STONE OR CORDOVA STONE BUFF	ARRISCRAFT	SANDRIFT
STANDING SEAM METAL ROOF	(TBD)	SIATE
WINDOWS	N/A	CAMEO
STOREFRONT	FIBERGLASS OR ALUMINIUM	BLACK
METAL DOORS/FRAMES	N/A	(TBD)
STONE SILLS & BANDS	EDWARDS	COLOR TO MATCH STONE VENEER
SOFFITS & FASCIA	N/A	(TBD)
RAILINGS	N/A	BLACK

1/8" = 1'-0" Elevations - Exterior Material Schedule

1/8" = 1'-0" South East





A-3.2 - RENDER VIEW 2
E. WASHINGTON AVE.





ATTACHMENT B

Previous Investigation Data and Figures

Soil Field Screening and Analytical Results - VOC Analysis, Klinke Cleaners - East Washington,

Boring Number	Sample	Depth (feet)	Date Collected	PID Response (iui)	Detected VOCs (µg/kg)	
					Tetrachloroethene (PCE)	Methylene Chloride
B100	SS1	0-2	4/7/2003	0	---	---
	SS2	2-4	4/7/2003	0	---	---
	SS3	4-6	4/7/2003	0	---	---
	SS4	6-8	4/7/2003	0	---	---
	SS5	8-10	4/7/2003	0	---	---
	SS6	10-12	4/7/2003	---	---	---
	SS7	12-14	4/7/2003	0	<25	78
	SS8	14-16	4/7/2003	---	---	---
	SS9	16-18	4/7/2003	0	---	---
	SS10	18-20	4/7/2003	---	---	---
	SS11	20-22	4/7/2003	0	---	---
	SS12	22-24	4/7/2003	---	---	---
B400	SS1	0-2	4/8/2003	0	---	---
	SS2	2-4	4/8/2003	0	---	---
	SS3	4-6	4/8/2003	0	---	---
	SS4	6-8	4/8/2003	0	---	---
	SS5	8-10	4/8/2003	0	---	---
	SS6	10-12	4/8/2003	0	---	---
	SS7	12-14	4/8/2003	0	---	---
	SS8	14-16	4/8/2003	0	---	---
	SS9	16-18	4/8/2003	10	89	124
	SS10	18-20	4/8/2003	0	---	---
	SS11	20-21	4/8/2003	0	---	---
B500	SS1	4-6	6/3/2003	4	---	---
	SS2	6.5-8.5	6/3/2003	3	---	---
	SS3	9-11	6/3/2003	2	---	---
	SS4	11.5-13.5	6/3/2003	3	---	---
	SS5	14-16	6/3/2003	4	<25	<25
	SS6	16.5-18.5	6/3/2003	3	---	---
	SS7	19-21	6/3/2003	3	---	---
	SS8	21.5-23.5	6/3/2003	2	---	---
	SS9	24-26	6/3/2003	3	---	---
GP1	SS1	0-2	4/8/2003	0	---	---
	SS2	2-4	4/8/2003	0	---	---
	SS3	4-6	4/8/2003	1	---	---
	SS4	6-8	4/8/2003	0	---	---
	SS5	8-10	4/8/2003	0	---	---
	SS6	10-12	4/8/2003	0	---	---
	SS7	12-14	4/8/2003	0	---	---
	SS8	14-16	4/8/2003	0	<25	163
HB1	SS1	1-3	4/9/2003	0	---	---
	SS2	3-6	4/9/2003	0	---	---
	SS3	6-8	4/9/2003	0	---	---
	SS4	8-9	4/9/2003	40	16,000	82
HB2	SS1	1-3	4/9/2003	0	---	---
	SS2	3-6	4/9/2003	0	---	---
	SS3	6-8	4/9/2003	0	---	---
	SS4	8-10	4/9/2003	0	---	---
	SS5	10-10.5	4/9/2003	0	217	53"J"
HB3	SS1	1-3	4/9/2003	26	70	68
	SS2	3-6	4/9/2003	3	---	---
	SS3	6-7	4/9/2003	0	---	---
HB4	SS1	1-3	4/9/2003	0	---	---
	SS2	3-5	4/9/2003	0	---	---
	SS3	5-7	4/9/2003	0	---	---
	SS4	7-9	4/9/2003	0	---	---
	SS5	9-10.5	4/9/2003	0	214	31

NOTES:

iui = instrument units as isobutylene

NE = Not established

PID = Photoionization Detector

VOCs = Volatile Organic Compounds

--- = not submitted for laboratory analysis

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

X "J" = The analyte has been detected between the limit of detection (LOD) and limit of quantita

Methylene Chloride is a common laboratory solvent

Groundwater Elevations, Klinke Cleaners - East Washington, Madison, Wisconsin

Well Number	Ground Elevation	Riser Elevation	Date	Depth to Water (feet below riser)	Depth to Water (feet below grade)	Water Table Elevation
MW1	869.81	869.51	06/09/03	19.13	19.43	850.38
			06/11/03	19.21	19.51	850.30
			09/23/03	20.73	21.03	848.78
			10/20/04	19.27	19.57	850.24
			01/11/05	NM	NM	NM
			05/25/05	NM	NM	NM
			08/24/05	19.92	20.22	849.59
MW2	871.78	871.30	06/09/03	17.47	17.95	853.83
			06/11/03	17.56	18.04	853.74
			09/23/03	19.12	19.60	852.18
			10/20/04	17.55	18.03	853.75
			01/11/05	17.77	18.25	853.53
			05/25/05	16.72	17.20	854.58
			08/24/05	18.23	18.71	853.07
MW3	872.26	871.98	06/03/03	17.79	18.07	854.19
			06/11/03	17.85	18.13	854.13
			09/23/03	19.29	19.57	852.69
			10/20/04	17.95	18.23	854.03
			01/11/05	18.03	18.31	853.95
			05/25/05	17.35	17.63	854.63
			08/24/05	18.52	18.80	853.46
MW4	869.49	869.16	06/09/03	17.70	18.03	851.46
			06/11/03	16.70	17.03	852.46
			09/23/03	17.79	18.12	851.37
			10/20/04	16.95	17.28	852.21
			01/11/05	16.90	17.23	852.26
			05/25/05	16.28	16.61	852.88
			08/24/05	17.30	17.63	851.86
MW5	874.17	873.81	06/09/03	18.86	19.22	854.95
			06/11/03	18.87	19.23	854.94
			09/23/03	20.07	20.43	853.74
			10/20/04	18.80	19.16	855.01
			01/11/05	NM	NM	NM
			05/25/05	NM	NM	NM
			08/24/05	19.36	19.72	854.45
MW6			09/22/04	13.59	Not Surveyed	
			01/11/05	14.27		
			05/25/05	12.79		
			08/24/05	14.60		
PZ1	872.09	871.69	06/03/03	19.65	20.05	852.04
			06/11/03	18.77	19.17	852.92
			09/23/03	19.97	20.37	851.72
			10/20/04	18.73	19.13	852.96
			01/11/05	18.81	19.21	852.88
			05/25/05	18.03	18.43	853.66
			08/24/05	19.29	19.69	852.40
PZ2			09/22/04	13.78	Not Surveyed	
			01/11/05	14.39		
			05/25/05	12.95		
			08/24/05	14.54		

NOTES:

All Elevations are referenced to an estimated feet above mean sea level

Groundwater Analytical Data (Detected Compounds Only) Klinke Cleaners - East Washington, Madison, Wisconsin

Well Identification	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)
NR 140 Preventative Action Limit (PAL)		0.5	0.5
NR 140 Enforcement Standard (ES)		5	5
MW1	06/11/03	<0.45	<0.1
	09/23/03	<0.45	<0.1
	10/20/04	<0.5	<0.2
	08/24/05	<0.45	<0.37
MW2	06/11/03	88	<0.1
	09/23/03	79	<0.1
	10/20/04	130	<0.2
	01/11/05	280	0.52
	05/25/05	420	0.51"J"
	08/24/05	136	<3.7
	01/31/06	68	4.5"J"
	04/18/06	184	3.3
MW3	06/11/03	1.7	<0.1
	09/23/03	2.3	<0.1
	10/20/04	1.8	<0.2
	01/11/05	1.5	<0.20
	05/25/05	1.9	<0.37
	08/24/05	2.7	<0.37
MW4	06/11/03	47	<0.1
	09/23/03	35	<0.1
	10/20/04	J 180	0.66
	01/11/05	14	<0.20
	05/25/05	54	<0.37
	08/24/05	29	<0.37
	01/31/06	12.1	<0.37
	04/18/06	17.6	<0.39
MW5	06/11/03	<0.45	<0.1
	09/23/03	<0.45	<0.1
	10/20/04	<0.5	<0.2
	08/24/05	<0.45	<0.37
MW6	09/22/04	3.5	<0.27
	01/11/05	6.9	<0.20
	05/25/05	6.1	<0.37
	08/24/05	4.9	<0.37
	01/31/06	5.2	<0.37
	04/18/06	9.3	<0.39

Groundwater Analytical Data (Detected Compounds Only) Klinke Cleaners - East Washington, Madison, Wisconsin

Well Identification	Date Sampled	Tetrachloroethene (PCE)	Trichloroethene (TCE)
NR 140 Preventative Action Limit (PAL)		0.5	0.5
NR 140 Enforcement Standard (ES)		5	5
PZ1	06/05/03	<0.45	1.7
	09/23/03	<0.45	1.7
	10/20/04	<0.5	1.3
	01/11/05	<0.50	1.5
	05/25/05	<0.45	1.5
	08/24/05	<0.45	1.4
PZ2	09/22/04	<0.7	<0.27
	01/11/05	<0.50	<0.20
	05/25/05	<0.45	<0.37
	08/24/05	<0.45	<0.37
	01/31/06	<0.45	<0.37
	04/18/06	<0.37	<0.39
Trip Blank	06/11/03	<0.45	<0.1
	09/23/03	<0.45	<0.1
	01/11/05	<0.50	<0.20
Duplicate	6/5/2003 (MW2)	87	<0.1
	9/23/2003 (MW3)	2.4	<0.1
	1/11/2005 (MW6)	5.9	<0.20
	5/25/2005 (MW2)	340	0.55" <i>J</i> "

Notes:

NE = Not Established

NA = Not Analyzed

<x = Analyte not detected to laboratory detection limit of x

All results reported in micrograms per liter (ug/l)

260 "J" = Analyte detected between limit of detection and limit of quantitation

X = Bold values indicate NR 140 ES Exceedance

X = Italics indicate NR 140 PAL Exceedance



B800 (NA)
B700 (NA)

B100 (<25)

N FRANKLIN STREET

B400 (89)



LEGEND
SOIL TEST BORING LOCATION



GEOPROBE LOCATION

(47)

TETRACHLOROETHENE (PCE) CONCENTRATION IN SOIL (µg/kg)



PROPERTY LINE



BORING ADVANCED BY PREVIOUS CONSULTANT DURING PHASE II ACTIVITIES (FEB. 2002)

NOTE: NA = NOT ANALYZED

E WASHINGTON AVENUE

E WASHINGTON AVENUE

KLINKE CLEANERS
412 E WASHINGTON

ESTIMATED EXTENT OF PCE-IMPACTED SOIL

BHB1 (16,000)

(190)

(170)

BHB2 (217)

BHB4 (214)

BHB3 (70)

GP1 (25)

B500 (<25)



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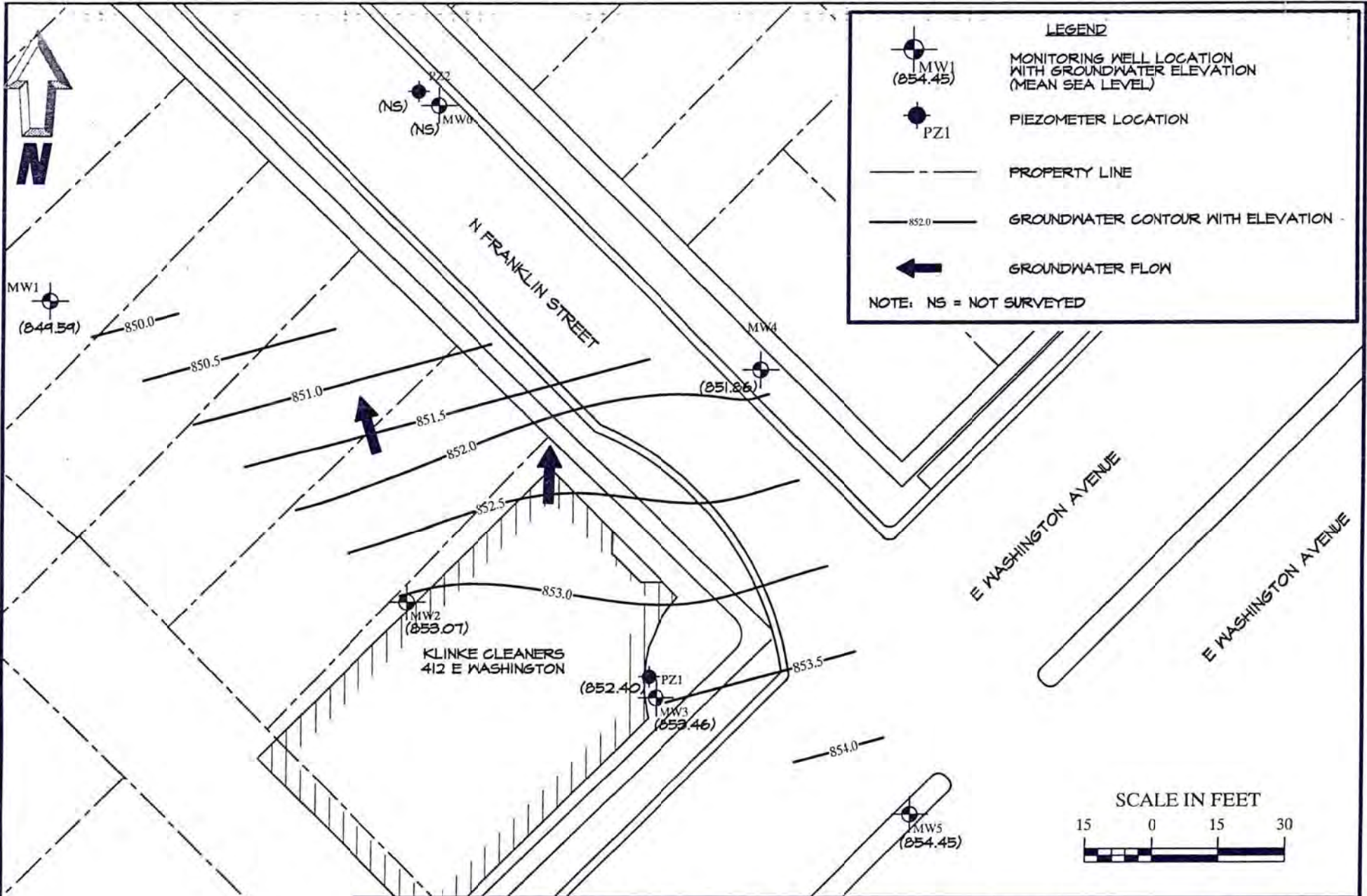
1203 Storbeck Drive, Waupun, Wisconsin 53963
Phone: 800-498-3921 Fax: 920-324-3023

WISCONSIN ▲ MICHIGAN ▲ ILLINOIS ▲ IOWA

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DISTRIBUTION OF PCE IN SOIL

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414 EAST WASHINGTON AVE.
MADISON, WISCONSIN



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 Phone: 800-498-3921 Fax: 920-324-3023

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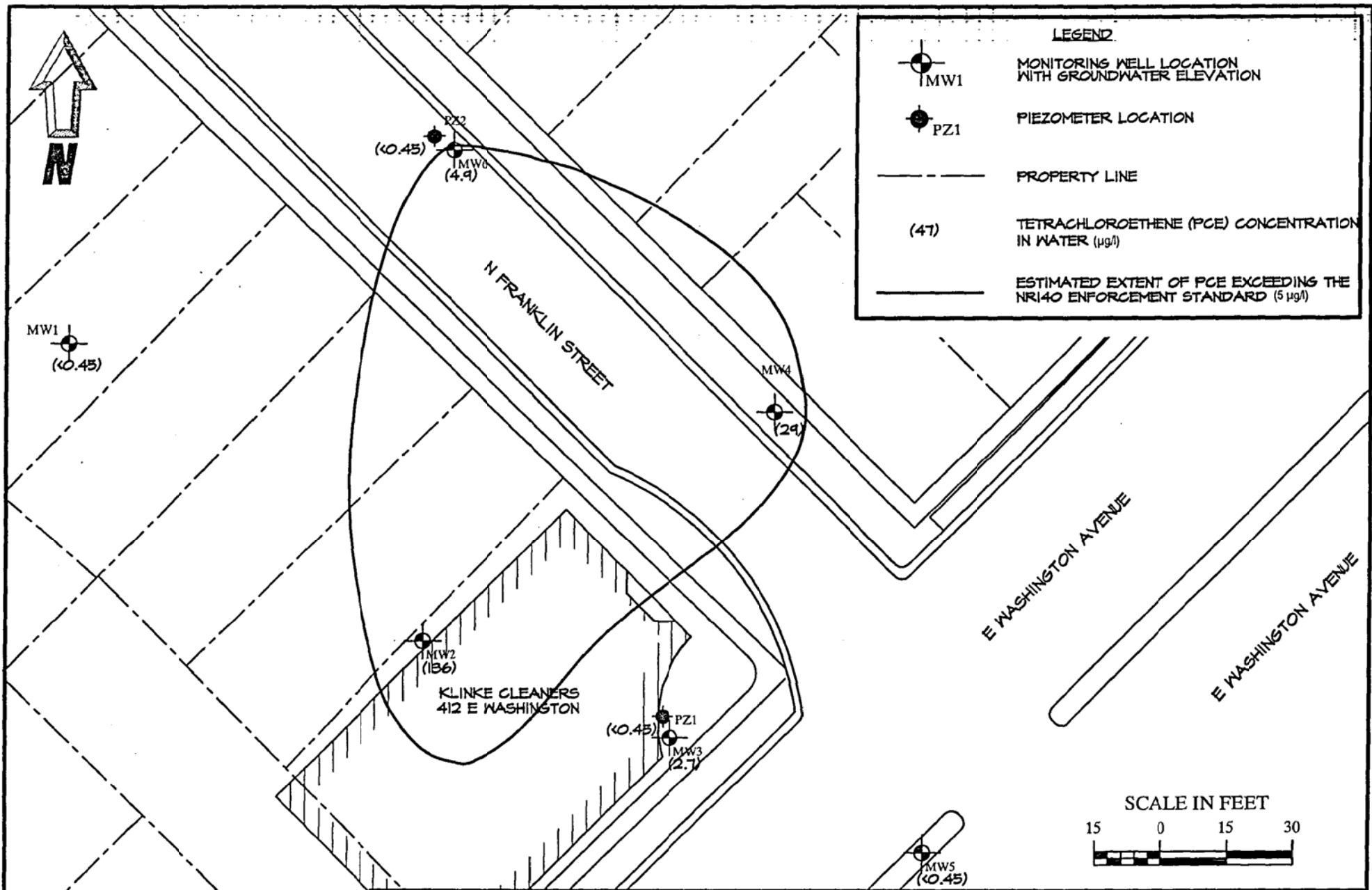
GROUNDWATER ELEVATION AND FLOW DIRECTION (8-24-05)

KLINKE CLEANERS
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 MADISON, WISCONSIN

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DATE: 12/07/05 | DRAWN BY: EJM | TASK NUMBER: XXX

PROJECT NUMBER: KLE08-2300-0590 | FIGURE 2



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DATE: 10/23/06

DRAWN BY: ddp

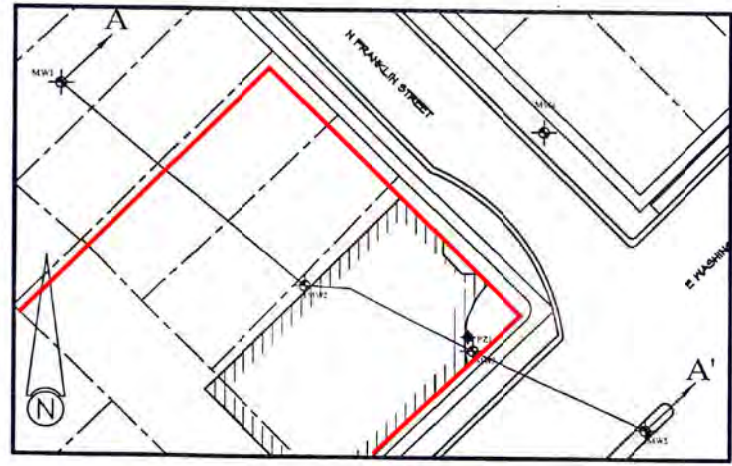
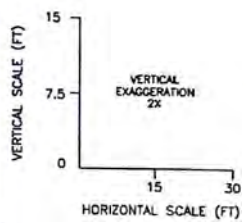
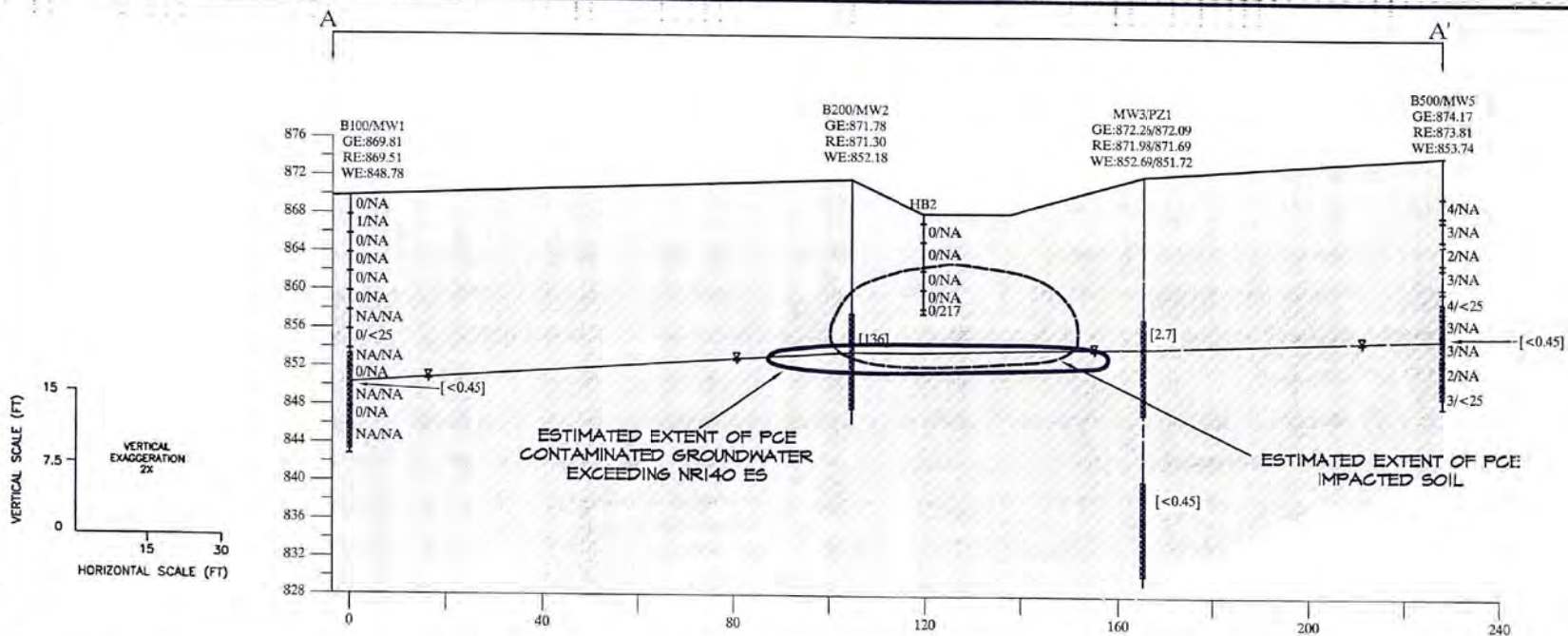
TASK NUMBER: 100

PROJECT NUMBER: KLE08-2300-0590

FIGURE 3

DISTRIBUTION OF PCE IN
 GROUNDWATER (8-24-05)

KLINKE CLEANERS
 414 EAST WASHINGTON AVE.
 MADISON, WISCONSIN



LEGEND

MW1	MONITORING WELL	SOIL SAMPLE INTERVAL	PID/PCE (SOIL)	PID = PHOTOIONIZATION DETECTOR RESPONSE IN μm
PZ1	PIEZOMETER	PERMANENT WELL SCREEN		PCE = TETRACHLOROETHENE IN SOIL ($\mu\text{g}/\text{kg}$)
GE:	GROUND ELEVATION			NA = NOT ANALYZED
RE:	PVC RISER ELEVATION			[] = GROUNDWATER PCE CONCENTRATION IN $\mu\text{g}/\text{l}$ (08/24/05)
WE:	WATER ELEVATION			
—▽—	GROUNDWATER TABLE (08/25/05)			

SOIL CLASSIFICATION

	SILTY SAND WITH SOME CLAY AND GRAVEL		SILTY CLAY WITH SOME SAND AND GRAVEL
--	--------------------------------------	--	--------------------------------------

CROSS-SECTION A-A'

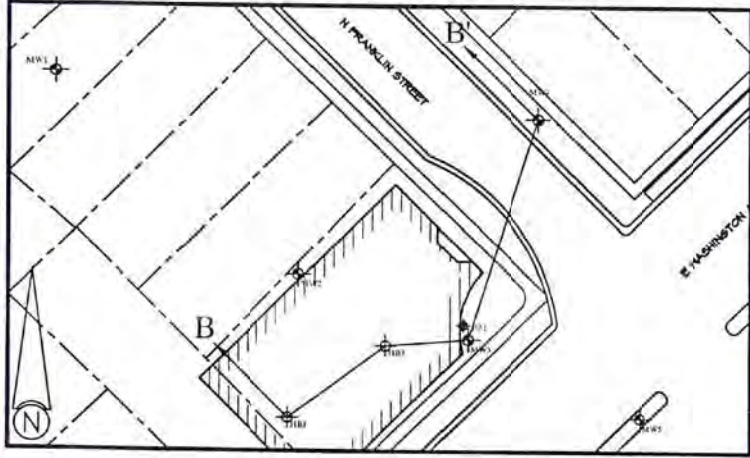
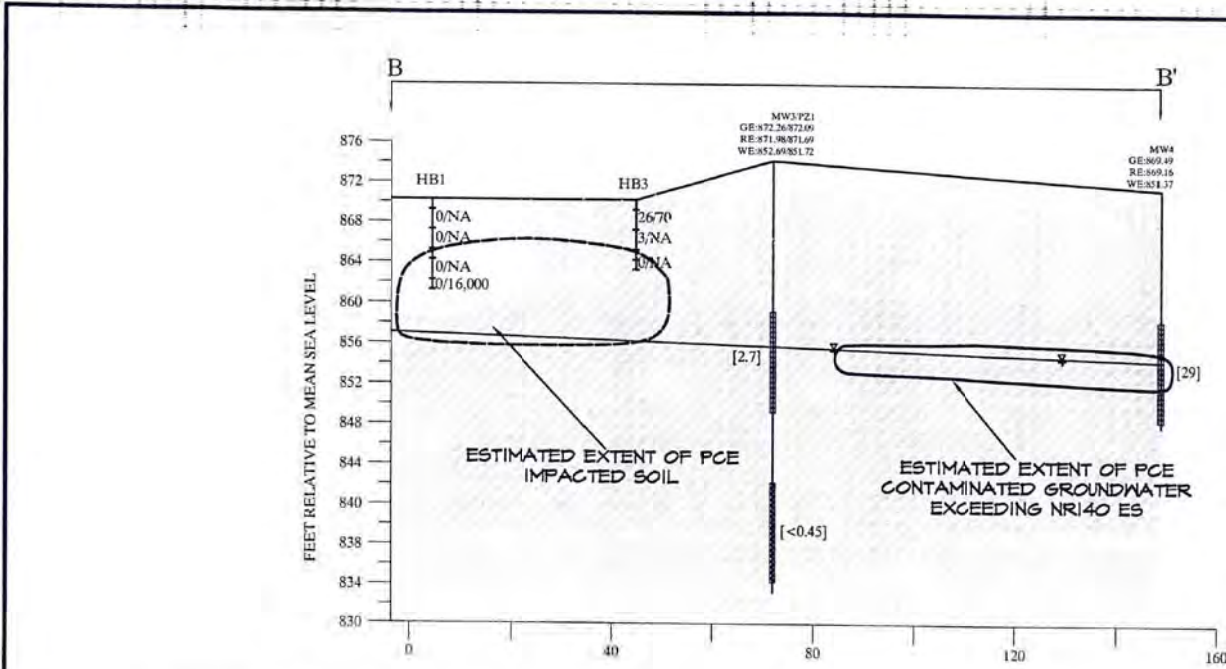
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DATE: 10/23/06 DRAWN BY: DDP TASK NUMBER: 100 PROJECT NUMBER: KLE08-2300-0590 **FIGURE 5**



LEGEND

MW1	MONITORING WELL	SOIL SAMPLE INTERVAL	PID/PCE (SOIL)	PID = PHOTOIONIZATION DETECTOR RESPONSE IN fii
PZ1	PIEZOMETER	PERMANENT WELL SCREEN		PCE = TETRACHLOROETHENE IN SOIL (µg/kg)
GE:	GROUND ELEVATION			NA = NOT ANALYZED
RE:	PVC RISER ELEVATION			= GROUNDWATER PCE CONCENTRATION IN µg/l (08/24/05)
WE:	WATER ELEVATION			
▽	GROUNDWATER TABLE (08/25/05)			

SOIL CLASSIFICATION

	SILTY SAND WITH SOME CLAY AND GRAVEL		SILTY CLAY WITH SOME SAND AND GRAVEL
	SAND TRACE GRAVEL		

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CROSS-SECTION B-B'

KLINKE CLEANERS
414 EAST WASHINGTON AVE.
MADISON, WISCONSIN

DATE: 10/23/06 DRAWN BY: DDP TASK NUMBER: 100 PROJECT NUMBER: KLEOB-2300-0540 FIGURE: 6



ATTACHMENT C

Boring Logs and Abandonment Forms

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name Klinke Cleaners - East Washington Ave.		License/Permit/Monitoring Number	Boring Number GB-01
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Benjamin Last Name: Stencil Firm: True North Consultants		Date Drilling Started <u>12/11/2020</u> m m d d y y y y	Date Drilling Completed <u>12/11/2020</u> m m d d y y y y
Drilling Method DPT	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>	State Plane <u>N</u> , <u>E</u> SW 1/4 of SE 1/4 of Section <u>13</u> , T <u>07N</u> , R <u>09</u>		
Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	Facility ID Klinke Property		
County Dane	County Code 13	Civil Town/City/ or Village Madison	

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				0-2: Sandy silty gravel, loose type material, brown, small gravels, non-native										
				2-7: Silty sand, very fine grained, dense, small cobble @ 5', medium to small gravels										
				7-9: Sandy silt, small gravels, fine to very fine grained, dense										
				9-12: Silt, slightly spangy, very fine grained, dense near the base, wet near gravel/sand seam @ 9.5' bps.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Ben Stencil Firm True North Consultants

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Dane		Facility Name Former Klinke Cleaners Property				
Common Well Name GB-1				Gov't Lot # (if applicable) _____		Facility ID 113053820		License/Permit/Monitoring No. _____		City, Village or Town Madison
¼ / ¼ SW	¼ SW	Section 13	Township 07 N	Range 9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Street Address of Well 412 E. Washington Avenue				
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input type="checkbox"/> Well Location		Present Well Owner LZ, LLC		Original Well Owner same		
Latitude: DEG MIN SEC 43 07 790 N						Longitude: DEG MIN SEC -89 38 020 W			Street Address or Route of Owner 8301 Machine Drive	
Reason For Abandonment Temporary Borehole				WI Unique Well No. of Replacement Well _____		City Madison		State WI	ZIP Code 53717	

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well		Original Construction Date 12/11/2020	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work Soil Essentials, supervised by SCS BT Squared		Date of Abandonment 10/15/2012		Date Received	Noted By
Street or Route 2830 Dairy Drive		Telephone Number (608) 224-2830		Comments	
City Madison		State WI	ZIP Code 53718	Signature of Person Doing Work	
				Date Signed	

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name <u>Klinke Cleaners - East Washington Ave.</u>		License/Permit/Monitoring Number	Boring Number <u>GB-02</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Benjamin</u> Last Name: <u>Stencil</u> Firm: <u>True North Consultants</u>		Date Drilling Started <u>12/11/2020</u> m m d d y y y y	Date Drilling Completed <u>12/11/2020</u> m m d d y y y y
Drilling Method <u>DPT</u>	WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <u>SW</u> <u>1/4 of SW 1/4 of Section 13</u> , T <u>07</u> N, R <u>9</u> E		Lat <u>0</u> ' "	Long <u>0</u> ' "
Facility ID <u>Klinke Property</u>		County <u>Dane</u>	County Code <u>13</u>
		Civil Town/City/ or Village <u>Madison</u>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				0-2: Silty Sand with small gravels, base material, non-native											
				2-6: Silty sand, fine grained, well graded sand, medium dense from 4-5, crushed cobble at 5-5.5, well-graded sand to 6 feet.											
				6-9: Sand, well-graded, fine grained, crushed sandstone fragments, sand silt @ 9', sand/gravel lens @ 9.5', most at base											
				9-12: Sandy silt, fine to very fine, moist, dense, very fine silt @ 11-12.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Ben Stencil Firm: True North Consultants

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____			DNR Well ID No. _____			County Dane			Facility Name Former Klinke Cleaners Property		
Common Well Name GB-2			Gov't Lot # (if applicable) _____			Facility ID 113053820			License/Permit/Monitoring No _____		
City, Village or Town Madison			Street Address of Well 412 E. Washington Avenue			Present Well Owner LZ, LLC			Original Well Owner same		
1/4	1/4	Section	Township	Range		Street Address or Route of Owner 8301 Machine Drive					
SW	SW	13	07 N	9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	City Madison					
Grid Location			Local Grid Origin			State WI					
Feet <input type="checkbox"/> N <input type="checkbox"/> S			Feet <input type="checkbox"/> E <input type="checkbox"/> W			ZIP Code 53717					
Latitude: DEG MIN SEC 43 07 790			Longitude: DEG MIN SEC -89 38 020			Reason For Abandonment Temporary Borehole					
Reason For Abandonment Temporary Borehole			WI Unique Well No. of Replacement Well _____			City Madison					

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well		Original Construction Date 12/11/2020	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work On-Site Environmental Services, Inc		Date of Abandonment 12/11/2020		Date Received		Noted By	
Street or Route PO Box 280		Telephone Number (608) 206-1697		Comments			
City Sun Prairie		State WI		ZIP Code 53590		Signature of Person Doing Work Ben Stencil - True North Consultants	
						Date Signed 12/17/2020	

Route To: Watershed/Wastewater Waste Management
 Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name Klinke Cleaners - East Washington Ave.		License/Permit/Monitoring Number	Boring Number GB-03
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Benjamin Last Name: Stencil Firm: True North Consultants		Date Drilling Started 12/11/2020 m m d d y y y y	Date Drilling Completed 12/11/2020 m m d d y y y y
Drilling Method DPT	WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane _____ N, _____ E		Lat _____ "	
SW 1/4 of SW 1/4 of Section 13, T 07 N, R 9		Long _____ "	
Facility ID Klinke Property		County Dane	County Code 13
Civil Town/City/ or Village Madison			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				0-0.5: Asphalt, gravel sand											
				0.5-3: Stiff clay, dense, brown mottled, very fine grained, non-native											
				3-4: silty sand, fine to very fine grained, brown, dense											
				4-7: silty clay, some small gravels, tan/brown, dense											
				7-7.5: Gravel sand loose, small gravel											
				7.5-10: Sand, small gravels, loose material, well-graded sand											
				10-15: Sandy gravel, pockets of silty sand, some large gravels, dense, some moisture near 15'											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *Benjamin Stencil* Firm: True North Consultants

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Well / Drillhole / Borehole Abandonment

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Dane		Facility Name Former Klinke Cleaners Property				
Common Well Name GB-3				Gov't Lot # (if applicable) _____		Facility ID 113053820		License/Permit/Monitoring No. _____		City, Village or Town Madison
¼ / ¼ SW	¼ SW	Section 13	Township 07 N	Range 9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Street Address of Well 412 E. Washington Avenue				
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Present Well Owner LZ, LLC		Original Well Owner same		
Latitude: DEG MIN SEC 43 07 798		Longitude: DEG MIN SEC -89 37 991		City Madison		State WI		ZIP Code 53717		
Reason For Abandonment Temporary Borehole				WI Unique Well No. of Replacement Well _____		Street Address or Route of Owner 8301 Machine Drive				

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well		Original Construction Date 12/11/2020	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work On-Site Environmental Services, Inc		Date of Abandonment 12/11/2020		Date Received		Noted By	
Street or Route PO Box 280		Telephone Number (608) 206-1697		Comments			
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work Ben Stencil - True North Consultants		Date Signed 12/17/2020	

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name Klinke Cleaners - East Washington Ave.		License/Permit/Monitoring Number	Boring Number GB-04
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Benjamin Last Name: Stencil Firm: True North Consultants		Date Drilling Started <u>12/11/2020</u> m m d d y y y y	Date Drilling Completed <u>12/11/2020</u> m m d d y y y y
Drilling Method DPT	WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter 2 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>	State Plane <u>SW</u> <u>1/4</u> of <u>SW</u> <u>1/4</u> of Section <u>13</u> , T <u>07</u> N, R <u>9</u>	Lat <u>0</u> ' <u>"</u>	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID Klinke's Property	County Dane	County Code <u>13</u>	Civil Town/City/ or Village Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
			0-1.5:	Asphalt, gravel, sand, base material											
			1.5-3:	silt-silty clay, spongy, very fine grained, brown, non-native											
			3-7.5:	silty clay-clayey silt, very fine grained, spongy @ 6', mottled brown and tan, no gravels, sand @ base											
			7.5-11:	Sand, some gravels, brown rust colored @ 8-9, dense, small to medium gravels											
			11-15:	Sand and gravel, poorly graded sand @ 11-12 then more well-graded, dense, moist											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *Benjamin Stencil* Firm True North Consultants

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Dane		Facility Name Former Klinke Cleaners Property				
Common Well Name GB-4				Gov't Lot # (if applicable) _____		Facility ID 113053820		License/Permit/Monitoring No. _____		City, Village or Town Madison
¼ / ¼ SW	¼ SW	Section 13	Township 07 N	Range 9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Street Address of Well 412 E. Washington Avenue				
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Present Well Owner LZ, LLC		Original Well Owner same		
Latitude: DEG MIN SEC 43 07 808 N		Longitude: DEG MIN SEC -89 38 008 W				Street Address or Route of Owner 8301 Machine Drive				
Reason For Abandonment Temporary Borehole		WI Unique Well No. of Replacement Well _____				City Madison		State WI	ZIP Code 53717	

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well		Original Construction Date 12/11/2020	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work On-Site Environmental Services, Inc		Date of Abandonment 12/11/2020		Date Received	Noted By
Street or Route PO Box 280		Telephone Number (608) 206-1697		Comments	
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work Ben Stencil - True North Consultants	
				Date Signed 12/17/2020	

Route To: Watershed/Wastewater Waste Management
Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name Klinke Cleaners - East Washington Ave.		License/Permit/Monitoring Number		Boring Number GB-05	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Benjamin Last Name: Stencil Firm: True North Consultants		Date Drilling Started 12/11/2020 m m d d y y y y	Date Drilling Completed 12/11/2020 m m d d y y y y	Drilling Method DPT	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, E		Local Grid Location	
SW 1/4 of SW 1/4 of Section 13, T 07 N, R 9		Lat 0' "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID Klinke Property		County Dane	County Code 13	Civil Town/City/ or Village Madison	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				0-1: Asphalt, gravel, sand base										
				1-3: Clay, dense, very fine grained, mottled brown/tan, non-native										
				3-9: Silt, spongy, very fine grained, loose material, organic material										
				9-11: Sandy gravel, brown/rust colored sand @ 9-10, medium gravels, dense, dry										
				11-14: Sandy gravels, poorly graded, crushed rock, tan/white										
				14-15: Sand, well-graded sand, some small gravels, dense, moist										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *Ben Stencil* Firm: True North Consultants

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Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____			DNR Well ID No. _____			County Dane			Facility Name Former Klinke Cleaners Property		
Common Well Name GB-5			Gov't Lot # (if applicable) _____			Facility ID 113053820			License/Permit/Monitoring No _____		
City, Village or Town Madison			Street Address of Well 412 E. Washington Avenue			Present Well Owner LZ, LLC			Original Well Owner same		
1/4 / 1/4 SW SW Section 13 Township 07 N Range 9 <input checked="" type="checkbox"/> E <input type="checkbox"/> W			Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W Local Grid Origin (estimated) OR <input checked="" type="checkbox"/> Well Location			Street Address or Route of Owner 8301 Machine Drive			City Madison State WI ZIP Code 53717		
Reason For Abandonment Temporary Borehole			WI Unique Well No. of Replacement Well _____			City Madison State WI ZIP Code 53717			City Madison State WI ZIP Code 53717		

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole		Original Construction Date 12/11/2020	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work On-Site Environmental Services, Inc		Date of Abandonment 12/11/2020		Date Received		Noted By	
Street or Route PO Box 280		Telephone Number (608) 206-1697		Comments			
City Sun Prairie		State WI		ZIP Code 53590		Signature of Person Doing Work Ben Stencil - True North Consultants	
						Date Signed 12/17/2020	

Route To: Watershed/Wastewater Waste Management
 Remediation/Revelopment Other

Page 1 of 1

Facility/Project Name <u>Klinke Cleaners - East Washington Ave.</u>		License/Permit/Monitoring Number	Boring Number <u>68-06</u>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Benjamin</u> Last Name: <u>Stencil</u> Firm: <u>True North Consultants</u>		Date Drilling Started <u>12/11/2020</u> m m d d y y y y	Date Drilling Completed <u>12/11/2020</u> m m d d y y y y
Drilling Method <u>DPT</u>	WI Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <u>2</u> inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>	State Plane <u>N</u> , <u>E</u>	Lat <u>0</u> ' " <u>0</u> "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
<u>SW 1/4 of SW 1/4 of Section 13, T 07 N, R 9</u>		Long	Feet <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID <u>Klinke Property</u>	County <u>Dane</u>	County Code <u>13</u>	Civil Town/City/ or Village <u>Madison</u>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				0-1: Asphalt, gravel, sand base											
				1-3: Silty clay, spongy, very fine grained, some small cinder type materials,											
				3-8: Clayey silt, spongy to dense, minor cinder type material @ 3, very fine grained, brown											
				8-10: Sandy gravel, yellow/brown, rust colored @ 8-9, medium gravels											
				10-15: Sandy gravels, poorly graded sand, medium gravels, brown/tan											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [Signature] Firm True North Consultants

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Dane		Facility Name Former Klinke Cleaners Property				
Common Well Name GB-6				Gov't Lot # (if applicable) _____		Facility ID 113053820		License/Permit/Monitoring No. _____		City, Village or Town Madison
¼ / ¼ SW	¼ SW	Section 13	Township 07 N	Range 9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Street Address of Well 412 E. Washington Avenue				
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> S		Feet <input type="checkbox"/> E <input type="checkbox"/> W		<input type="checkbox"/> Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Present Well Owner LZ, LLC		Original Well Owner same		
Latitude: DEG MIN SEC 43 07 815		Longitude: DEG MIN SEC -89 38 017		City Madison		State WI	ZIP Code 53717		Street Address or Route of Owner 8301 Machine Drive	
Reason For Abandonment Temporary Borehole				WI Unique Well No. of Replacement Well _____						

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well		Original Construction Date 12/11/2020	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work On-Site Environmental Services, Inc		Date of Abandonment 12/11/2020		Date Received	Noted By
Street or Route PO Box 280		Telephone Number (608) 206-1697		Comments	
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work Ben Stencil - True North Consultants	
				Date Signed 12/17/2020	

Route To: Watershed/Wastewater Waste Management
 Remediation/Revelpment Other _____

Page 1 of 1

Facility/Project Name Klinke Cleaners - East Washington Ave.		License/Permit/Monitoring Number	Boring Number GB-07
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Benjamin Last Name: Stencil Firm: True North Consultants		Date Drilling Started <u>12/11/2020</u> m m d d y y y y	Date Drilling Completed <u>12/11/2020</u> m m d d y y y y
Drilling Method DPT	WT Unique Well No.	DNR Well ID No.	Well Name
Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane <u>N</u> , <u>E</u>		Lat <u>0</u> ' "	
<u>SW</u> 1/4 of <u>SW</u> 1/4 of Section <u>13</u> , T <u>07</u> N, R <u>09</u>		Long _____ " <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
Facility ID Klinke Property	County Dane	County Code 13	Civil Town/City/ or Village Madison

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			0-0.5'	Top soil, some organics										
			0.5-4'	Silt, some small gravels near top, mottled brown/tan near base, medium dense										
			4-8'	Clay, lean, some small gravels, dense, tan										
			8-11'	Sandy gravel; yellow/brown, medium gravels, rust colored at 8-9', dense										
			11-15'	Sandy gravel, well-graded sand, brown, dense										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *Benjamin Stencil* Firm: True North Consultants

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information **2. Facility / Owner Information**

WI Unique Well No. _____		DNR Well ID No. _____		County Dane		Facility Name Former Klinke Cleaners Property				
Common Well Name GB-7				Gov't Lot # (if applicable) _____		Facility ID 113053820		License/Permit/Monitoring No. _____		City, Village or Town Madison
1/4 / 1/4 SW	1/4 SW	Section 13	Township 07 N	Range 9	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Street Address of Well 412 E. Washington Avenue				
Grid Location Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		Local Grid Origin <input type="checkbox"/> (estimated) OR <input checked="" type="checkbox"/> Well Location		Present Well Owner LZ, LLC		Original Well Owner same				
Latitude: DEG MIN SEC 43 07 779		Longitude: DEG MIN SEC -89 38 059		Street Address or Route of Owner 8301 Machine Drive		City Madison		State WI	ZIP Code 53717	
Reason For Abandonment Temporary Borehole		WI Unique Well No. of Replacement Well _____								

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well		Original Construction Date 12/11/2020	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)	
<input type="checkbox"/> Dug		<input checked="" type="checkbox"/> Other (specify): direct-push (Geoprobe)	
Formation Type:			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) 12		Casing Diameter (in.) --	
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.) --	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)?		Depth to Water (feet) >15	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Required Method of Placing Sealing Material			
<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)		<input type="checkbox"/> Other (Explain): _____	
Sealing Materials			
<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
For Monitoring Wells and Monitoring Well Boreholes Only:			
<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	12	0.2 cubic feet	dry weight

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Sealing Work On-Site Environmental Services, Inc		Date of Abandonment 12/11/2020		Date Received		Noted By	
Street or Route PO Box 280		Telephone Number (608) 206-1697		Comments			
City Sun Prairie		State WI	ZIP Code 53590	Signature of Person Doing Work Ben Stencil - True North Consultants		Date Signed 12/17/2020	



ATTACHMENT D

Laboratory Analytical Reports

December 23, 2020

Thomas Culp
True North Consultants, Inc.
525 Junction Road
Suite 1900
Madison, WI 53717

RE: Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

Dear Thomas Culp:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Ben Stencil, True North Consultants, Inc.



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

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

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification #: 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification #: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40219772001	WASTE DISPOSAL	Solid	12/11/20 09:30	12/12/20 08:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40219772001	WASTE DISPOSAL	WI MOD DRO	MRN	1	PASI-G
		WI MOD GRO	ALD	1	PASI-G
		EPA 6010D	KMG	1	PAN
		EPA 6010	TXW	7	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	71	PASI-G
		EPA 8260	ALD	64	PASI-G
		ASTM D2974-87	MLR	1	PASI-G
		SM 2540G	KBC	1	PAN
		EPA 9030B	LDT	1	PAN
		EPA 300.0	HMB	3	PASI-G

PAN = Pace National - Mt. Juliet

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40219772001	WASTE DISPOSAL					
WI MOD DRO	Diesel Range Organics	18.5	mg/kg	4.7	12/15/20 09:23	D5,DC
EPA 6010D	Sulfur	280	mg/kg	48.7	12/22/20 07:25	R1
EPA 6010	Arsenic	1.6J	mg/kg	2.5	12/15/20 17:13	
EPA 6010	Barium	25.8	mg/kg	0.50	12/15/20 17:13	
EPA 6010	Chromium	8.4	mg/kg	1.0	12/15/20 17:13	
EPA 6010	Lead	3.0	mg/kg	2.0	12/15/20 17:13	
EPA 8270	bis(2-Ethylhexyl)phthalate	88.0J	ug/kg	100	12/15/20 16:31	
EPA 8260	Tetrachloroethene	147	ug/kg	54.2	12/16/20 21:54	
ASTM D2974-87	Percent Moisture	7.7	%	0.10	12/15/20 16:39	
SM 2540G	Total Solids	92.4	%		12/18/20 10:23	
EPA 300.0	Nitrate as N	2.3	mg/kg	1.6	12/17/20 22:38	
EPA 300.0	Nitrogen, NO2 plus NO3	2.5J	mg/kg	3.0	12/17/20 22:38	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Sample: WASTE DISPOSAL **Lab ID: 40219772001** Collected: 12/11/20 09:30 Received: 12/12/20 08:45 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	18.5	mg/kg	4.7	1.4	1	12/14/20 08:30	12/15/20 09:23		D5,DC
WIGRO GCV									
Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<2.7	mg/kg	5.4	2.7	1	12/17/20 09:30	12/17/20 20:41		
Metals (ICP) 6010D									
Analytical Method: EPA 6010D Preparation Method: 3050B									
Pace National - Mt. Juliet									
Sulfur	280	mg/kg	48.7	14.6	1	12/21/20 16:05	12/22/20 07:25		R1
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Arsenic	1.6J	mg/kg	2.5	1.5	1	12/15/20 07:09	12/15/20 17:13	7440-38-2	
Barium	25.8	mg/kg	0.50	0.15	1	12/15/20 07:09	12/15/20 17:13	7440-39-3	
Cadmium	<0.13	mg/kg	0.50	0.13	1	12/15/20 07:09	12/15/20 17:13	7440-43-9	
Chromium	8.4	mg/kg	1.0	0.28	1	12/15/20 07:09	12/15/20 17:13	7440-47-3	
Lead	3.0	mg/kg	2.0	0.60	1	12/15/20 07:09	12/15/20 17:13	7439-92-1	
Selenium	<1.3	mg/kg	4.0	1.3	1	12/15/20 07:09	12/15/20 17:13	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	12/15/20 07:09	12/15/20 17:13	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	12/15/20 09:30	12/16/20 07:56	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
1,2,4-Trichlorobenzene	<20.4	ug/kg	68.1	20.4	1	12/15/20 12:49	12/15/20 16:31	120-82-1	
1,2-Dichlorobenzene	<56.9	ug/kg	190	56.9	1	12/15/20 12:49	12/15/20 16:31	95-50-1	
1,3-Dichlorobenzene	<25.0	ug/kg	83.5	25.0	1	12/15/20 12:49	12/15/20 16:31	541-73-1	
1,4-Dichlorobenzene	<25.2	ug/kg	84.0	25.2	1	12/15/20 12:49	12/15/20 16:31	106-46-7	
2,2'-Oxybis(1-chloropropane)	<46.6	ug/kg	155	46.6	1	12/15/20 12:49	12/15/20 16:31	108-60-1	
2,4,5-Trichlorophenol	<31.9	ug/kg	106	31.9	1	12/15/20 12:49	12/15/20 16:31	95-95-4	
2,4,6-Trichlorophenol	<27.6	ug/kg	91.9	27.6	1	12/15/20 12:49	12/15/20 16:31	88-06-2	
2,4-Dichlorophenol	<48.3	ug/kg	161	48.3	1	12/15/20 12:49	12/15/20 16:31	120-83-2	
2,4-Dimethylphenol	<35.8	ug/kg	119	35.8	1	12/15/20 12:49	12/15/20 16:31	105-67-9	
2,4-Dinitrophenol	<55.1	ug/kg	184	55.1	1	12/15/20 12:49	12/15/20 16:31	51-28-5	
2,4-Dinitrotoluene	<25.9	ug/kg	86.2	25.9	1	12/15/20 12:49	12/15/20 16:31	121-14-2	
2,6-Dinitrotoluene	<34.3	ug/kg	114	34.3	1	12/15/20 12:49	12/15/20 16:31	606-20-2	
2-Chloronaphthalene	<23.2	ug/kg	77.4	23.2	1	12/15/20 12:49	12/15/20 16:31	91-58-7	
2-Chlorophenol	<45.1	ug/kg	150	45.1	1	12/15/20 12:49	12/15/20 16:31	95-57-8	
2-Methylnaphthalene	<46.9	ug/kg	156	46.9	1	12/15/20 12:49	12/15/20 16:31	91-57-6	
2-Methylphenol(o-Cresol)	<32.8	ug/kg	109	32.8	1	12/15/20 12:49	12/15/20 16:31	95-48-7	
2-Nitroaniline	<51.5	ug/kg	172	51.5	1	12/15/20 12:49	12/15/20 16:31	88-74-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Sample: WASTE DISPOSAL **Lab ID: 40219772001** Collected: 12/11/20 09:30 Received: 12/12/20 08:45 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
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
2-Nitrophenol	<57.1	ug/kg	190	57.1	1	12/15/20 12:49	12/15/20 16:31	88-75-5	
3&4-Methylphenol(m&p Cresol)	<33.1	ug/kg	110	33.1	1	12/15/20 12:49	12/15/20 16:31		
3,3'-Dichlorobenzidine	<49.1	ug/kg	164	49.1	1	12/15/20 12:49	12/15/20 16:31	91-94-1	
3-Nitroaniline	<30.7	ug/kg	102	30.7	1	12/15/20 12:49	12/15/20 16:31	99-09-2	
4,6-Dinitro-2-methylphenol	<55.7	ug/kg	186	55.7	1	12/15/20 12:49	12/15/20 16:31	534-52-1	
4-Bromophenylphenyl ether	<37.9	ug/kg	126	37.9	1	12/15/20 12:49	12/15/20 16:31	101-55-3	
4-Chloro-3-methylphenol	<56.3	ug/kg	188	56.3	1	12/15/20 12:49	12/15/20 16:31	59-50-7	
4-Chloroaniline	<29.7	ug/kg	99.0	29.7	1	12/15/20 12:49	12/15/20 16:31	106-47-8	
4-Chlorophenylphenyl ether	<33.7	ug/kg	112	33.7	1	12/15/20 12:49	12/15/20 16:31	7005-72-3	
4-Nitroaniline	<75.0	ug/kg	250	75.0	1	12/15/20 12:49	12/15/20 16:31	100-01-6	
4-Nitrophenol	<45.5	ug/kg	152	45.5	1	12/15/20 12:49	12/15/20 16:31	100-02-7	
Acenaphthene	<64.1	ug/kg	214	64.1	1	12/15/20 12:49	12/15/20 16:31	83-32-9	
Acenaphthylene	<64.5	ug/kg	215	64.5	1	12/15/20 12:49	12/15/20 16:31	208-96-8	
Anthracene	<28.9	ug/kg	96.3	28.9	1	12/15/20 12:49	12/15/20 16:31	120-12-7	
Benzo(a)anthracene	<28.0	ug/kg	93.3	28.0	1	12/15/20 12:49	12/15/20 16:31	56-55-3	
Benzo(a)pyrene	<27.2	ug/kg	90.7	27.2	1	12/15/20 12:49	12/15/20 16:31	50-32-8	
Benzo(b)fluoranthene	<31.1	ug/kg	104	31.1	1	12/15/20 12:49	12/15/20 16:31	205-99-2	
Benzo(g,h,i)perylene	<47.3	ug/kg	158	47.3	1	12/15/20 12:49	12/15/20 16:31	191-24-2	
Benzo(k)fluoranthene	<43.3	ug/kg	144	43.3	1	12/15/20 12:49	12/15/20 16:31	207-08-9	
Butylbenzylphthalate	<29.0	ug/kg	96.6	29.0	1	12/15/20 12:49	12/15/20 16:31	85-68-7	
Carbazole	<28.3	ug/kg	94.4	28.3	1	12/15/20 12:49	12/15/20 16:31	86-74-8	
Chrysene	<27.0	ug/kg	90.1	27.0	1	12/15/20 12:49	12/15/20 16:31	218-01-9	
Di-n-butylphthalate	<27.0	ug/kg	90.1	27.0	1	12/15/20 12:49	12/15/20 16:31	84-74-2	
Di-n-octylphthalate	<40.7	ug/kg	136	40.7	1	12/15/20 12:49	12/15/20 16:31	117-84-0	
Dibenz(a,h)anthracene	<49.1	ug/kg	164	49.1	1	12/15/20 12:49	12/15/20 16:31	53-70-3	
Dibenzofuran	<21.9	ug/kg	73.0	21.9	1	12/15/20 12:49	12/15/20 16:31	132-64-9	
Diethylphthalate	<30.0	ug/kg	99.9	30.0	1	12/15/20 12:49	12/15/20 16:31	84-66-2	
Dimethylphthalate	<23.5	ug/kg	78.4	23.5	1	12/15/20 12:49	12/15/20 16:31	131-11-3	
Fluoranthene	<25.6	ug/kg	85.3	25.6	1	12/15/20 12:49	12/15/20 16:31	206-44-0	
Fluorene	<21.1	ug/kg	70.4	21.1	1	12/15/20 12:49	12/15/20 16:31	86-73-7	
Hexachloro-1,3-butadiene	<46.1	ug/kg	154	46.1	1	12/15/20 12:49	12/15/20 16:31	87-68-3	
Hexachlorobenzene	<30.4	ug/kg	101	30.4	1	12/15/20 12:49	12/15/20 16:31	118-74-1	
Hexachlorocyclopentadiene	<42.8	ug/kg	143	42.8	1	12/15/20 12:49	12/15/20 16:31	77-47-4	
Hexachloroethane	<28.9	ug/kg	96.4	28.9	1	12/15/20 12:49	12/15/20 16:31	67-72-1	
Indeno(1,2,3-cd)pyrene	<39.1	ug/kg	130	39.1	1	12/15/20 12:49	12/15/20 16:31	193-39-5	
Isophorone	<27.8	ug/kg	92.6	27.8	1	12/15/20 12:49	12/15/20 16:31	78-59-1	
N-Nitroso-di-n-propylamine	<28.7	ug/kg	95.6	28.7	1	12/15/20 12:49	12/15/20 16:31	621-64-7	
N-Nitrosodiphenylamine	<245	ug/kg	818	245	1	12/15/20 12:49	12/15/20 16:31	86-30-6	
Naphthalene	<63.2	ug/kg	211	63.2	1	12/15/20 12:49	12/15/20 16:31	91-20-3	
Nitrobenzene	<36.7	ug/kg	122	36.7	1	12/15/20 12:49	12/15/20 16:31	98-95-3	
Pentachlorophenol	<39.8	ug/kg	133	39.8	1	12/15/20 12:49	12/15/20 16:31	87-86-5	
Phenanthrene	<23.2	ug/kg	77.3	23.2	1	12/15/20 12:49	12/15/20 16:31	85-01-8	
Phenol	<42.9	ug/kg	143	42.9	1	12/15/20 12:49	12/15/20 16:31	108-95-2	
Pyrene	<40.1	ug/kg	134	40.1	1	12/15/20 12:49	12/15/20 16:31	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

Sample: WASTE DISPOSAL **Lab ID: 40219772001** Collected: 12/11/20 09:30 Received: 12/12/20 08:45 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
8270 MSSV FULL LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Green Bay									
Pyridine	<29.1	ug/kg	97.0	29.1	1	12/15/20 12:49	12/15/20 16:31	110-86-1	
bis(2-Chloroethoxy)methane	<48.7	ug/kg	162	48.7	1	12/15/20 12:49	12/15/20 16:31	111-91-1	
bis(2-Chloroethyl) ether	<56.4	ug/kg	188	56.4	1	12/15/20 12:49	12/15/20 16:31	111-44-4	
bis(2-Ethylhexyl)phthalate	88.0J	ug/kg	100	30.1	1	12/15/20 12:49	12/15/20 16:31	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	74	%	17-110		1	12/15/20 12:49	12/15/20 16:31	4165-60-0	
2-Fluorobiphenyl (S)	68	%	45-103		1	12/15/20 12:49	12/15/20 16:31	321-60-8	
Terphenyl-d14 (S)	84	%	46-100		1	12/15/20 12:49	12/15/20 16:31	1718-51-0	
Phenol-d6 (S)	55	%	11-109		1	12/15/20 12:49	12/15/20 16:31	13127-88-3	
2-Fluorophenol (S)	22	%	10-110		1	12/15/20 12:49	12/15/20 16:31	367-12-4	
2,4,6-Tribromophenol (S)	6	%	10-153		1	12/15/20 12:49	12/15/20 16:31	118-79-6	S0
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.0	ug/kg	54.2	13.0	1	12/16/20 08:45	12/16/20 21:54	630-20-6	
1,1,1-Trichloroethane	<13.9	ug/kg	54.2	13.9	1	12/16/20 08:45	12/16/20 21:54	71-55-6	
1,1,2,2-Tetrachloroethane	<19.6	ug/kg	54.2	19.6	1	12/16/20 08:45	12/16/20 21:54	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/kg	54.2	19.7	1	12/16/20 08:45	12/16/20 21:54	79-00-5	
1,1-Dichloroethane	<13.9	ug/kg	54.2	13.9	1	12/16/20 08:45	12/16/20 21:54	75-34-3	
1,1-Dichloroethene	<18.0	ug/kg	54.2	18.0	1	12/16/20 08:45	12/16/20 21:54	75-35-4	
1,1-Dichloropropene	<17.6	ug/kg	54.2	17.6	1	12/16/20 08:45	12/16/20 21:54	563-58-6	
1,2,3-Trichlorobenzene	<60.4	ug/kg	271	60.4	1	12/16/20 08:45	12/16/20 21:54	87-61-6	
1,2,3-Trichloropropane	<26.3	ug/kg	54.2	26.3	1	12/16/20 08:45	12/16/20 21:54	96-18-4	
1,2,4-Trichlorobenzene	<44.7	ug/kg	271	44.7	1	12/16/20 08:45	12/16/20 21:54	120-82-1	
1,2,4-Trimethylbenzene	<16.2	ug/kg	54.2	16.2	1	12/16/20 08:45	12/16/20 21:54	95-63-6	
1,2-Dibromo-3-chloropropane	<42.1	ug/kg	271	42.1	1	12/16/20 08:45	12/16/20 21:54	96-12-8	
1,2-Dibromoethane (EDB)	<14.8	ug/kg	54.2	14.8	1	12/16/20 08:45	12/16/20 21:54	106-93-4	
1,2-Dichlorobenzene	<16.8	ug/kg	54.2	16.8	1	12/16/20 08:45	12/16/20 21:54	95-50-1	
1,2-Dichloroethane	<12.5	ug/kg	54.2	12.5	1	12/16/20 08:45	12/16/20 21:54	107-06-2	
1,2-Dichloropropane	<12.9	ug/kg	54.2	12.9	1	12/16/20 08:45	12/16/20 21:54	78-87-5	
1,3,5-Trimethylbenzene	<17.5	ug/kg	54.2	17.5	1	12/16/20 08:45	12/16/20 21:54	108-67-8	
1,3-Dichlorobenzene	<14.8	ug/kg	54.2	14.8	1	12/16/20 08:45	12/16/20 21:54	541-73-1	
1,3-Dichloropropane	<11.8	ug/kg	54.2	11.8	1	12/16/20 08:45	12/16/20 21:54	142-28-9	
1,4-Dichlorobenzene	<14.8	ug/kg	54.2	14.8	1	12/16/20 08:45	12/16/20 21:54	106-46-7	
2,2-Dichloropropane	<14.6	ug/kg	54.2	14.6	1	12/16/20 08:45	12/16/20 21:54	594-20-7	
2-Butanone (MEK)	<171	ug/kg	1350	171	1	12/16/20 08:45	12/16/20 21:54	78-93-3	
2-Chlorotoluene	<17.6	ug/kg	54.2	17.6	1	12/16/20 08:45	12/16/20 21:54	95-49-8	
4-Chlorotoluene	<20.6	ug/kg	54.2	20.6	1	12/16/20 08:45	12/16/20 21:54	106-43-4	
Benzene	<12.9	ug/kg	21.7	12.9	1	12/16/20 08:45	12/16/20 21:54	71-43-2	
Bromobenzene	<21.1	ug/kg	54.2	21.1	1	12/16/20 08:45	12/16/20 21:54	108-86-1	
Bromochloromethane	<14.8	ug/kg	54.2	14.8	1	12/16/20 08:45	12/16/20 21:54	74-97-5	
Bromodichloromethane	<12.9	ug/kg	54.2	12.9	1	12/16/20 08:45	12/16/20 21:54	75-27-4	
Bromoform	<238	ug/kg	271	238	1	12/16/20 08:45	12/16/20 21:54	75-25-2	
Bromomethane	<76.0	ug/kg	271	76.0	1	12/16/20 08:45	12/16/20 21:54	74-83-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

Sample: WASTE DISPOSAL **Lab ID: 40219772001** Collected: 12/11/20 09:30 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<11.9	ug/kg	54.2	11.9	1	12/16/20 08:45	12/16/20 21:54	56-23-5	
Chlorobenzene	<6.5	ug/kg	54.2	6.5	1	12/16/20 08:45	12/16/20 21:54	108-90-7	
Chloroethane	<22.9	ug/kg	271	22.9	1	12/16/20 08:45	12/16/20 21:54	75-00-3	
Chloroform	<38.8	ug/kg	271	38.8	1	12/16/20 08:45	12/16/20 21:54	67-66-3	
Chloromethane	<20.6	ug/kg	54.2	20.6	1	12/16/20 08:45	12/16/20 21:54	74-87-3	
Dibromochloromethane	<185	ug/kg	271	185	1	12/16/20 08:45	12/16/20 21:54	124-48-1	
Dibromomethane	<16.0	ug/kg	54.2	16.0	1	12/16/20 08:45	12/16/20 21:54	74-95-3	
Dichlorodifluoromethane	<23.3	ug/kg	54.2	23.3	1	12/16/20 08:45	12/16/20 21:54	75-71-8	L1
Diisopropyl ether	<13.4	ug/kg	54.2	13.4	1	12/16/20 08:45	12/16/20 21:54	108-20-3	
Ethylbenzene	<12.9	ug/kg	54.2	12.9	1	12/16/20 08:45	12/16/20 21:54	100-41-4	
Hexachloro-1,3-butadiene	<108	ug/kg	271	108	1	12/16/20 08:45	12/16/20 21:54	87-68-3	
Isopropylbenzene (Cumene)	<14.6	ug/kg	54.2	14.6	1	12/16/20 08:45	12/16/20 21:54	98-82-8	
Methyl-tert-butyl ether	<15.9	ug/kg	54.2	15.9	1	12/16/20 08:45	12/16/20 21:54	1634-04-4	
Methylene Chloride	<15.1	ug/kg	54.2	15.1	1	12/16/20 08:45	12/16/20 21:54	75-09-2	
Naphthalene	<16.9	ug/kg	271	16.9	1	12/16/20 08:45	12/16/20 21:54	91-20-3	
Styrene	<13.9	ug/kg	54.2	13.9	1	12/16/20 08:45	12/16/20 21:54	100-42-5	
Tetrachloroethene	147	ug/kg	54.2	21.0	1	12/16/20 08:45	12/16/20 21:54	127-18-4	
Toluene	<13.7	ug/kg	54.2	13.7	1	12/16/20 08:45	12/16/20 21:54	108-88-3	
Trichloroethene	<20.3	ug/kg	54.2	20.3	1	12/16/20 08:45	12/16/20 21:54	79-01-6	
Trichlorofluoromethane	<15.7	ug/kg	54.2	15.7	1	12/16/20 08:45	12/16/20 21:54	75-69-4	
Vinyl chloride	<10.9	ug/kg	54.2	10.9	1	12/16/20 08:45	12/16/20 21:54	75-01-4	
Xylene (Total)	<39.1	ug/kg	163	39.1	1	12/16/20 08:45	12/16/20 21:54	1330-20-7	
cis-1,2-Dichloroethene	<11.6	ug/kg	54.2	11.6	1	12/16/20 08:45	12/16/20 21:54	156-59-2	
cis-1,3-Dichloropropene	<35.8	ug/kg	271	35.8	1	12/16/20 08:45	12/16/20 21:54	10061-01-5	
n-Butylbenzene	<24.8	ug/kg	54.2	24.8	1	12/16/20 08:45	12/16/20 21:54	104-51-8	
n-Propylbenzene	<13.0	ug/kg	54.2	13.0	1	12/16/20 08:45	12/16/20 21:54	103-65-1	
p-Isopropyltoluene	<16.5	ug/kg	54.2	16.5	1	12/16/20 08:45	12/16/20 21:54	99-87-6	
sec-Butylbenzene	<13.2	ug/kg	54.2	13.2	1	12/16/20 08:45	12/16/20 21:54	135-98-8	
tert-Butylbenzene	<17.0	ug/kg	54.2	17.0	1	12/16/20 08:45	12/16/20 21:54	98-06-6	
trans-1,2-Dichloroethene	<11.7	ug/kg	54.2	11.7	1	12/16/20 08:45	12/16/20 21:54	156-60-5	
trans-1,3-Dichloropropene	<155	ug/kg	271	155	1	12/16/20 08:45	12/16/20 21:54	10061-02-6	
Surrogates									
Toluene-d8 (S)	98	%	56-140		1	12/16/20 08:45	12/16/20 21:54	2037-26-5	
4-Bromofluorobenzene (S)	97	%	52-137		1	12/16/20 08:45	12/16/20 21:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	50-150		1	12/16/20 08:45	12/16/20 21:54	2199-69-1	

Percent Moisture

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

Percent Moisture **7.7** % 0.10 0.10 1 12/15/20 16:39

Total Solids 2540 G-2011

Analytical Method: SM 2540G Preparation Method: SM 2540 G
Pace National - Mt. Juliet

Total Solids **92.4** % 1 12/18/20 10:11 12/18/20 10:23

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

Sample: WASTE DISPOSAL **Lab ID: 40219772001** Collected: 12/11/20 09:30 Received: 12/12/20 08:45 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
Wet Chemistry 9034-9030B									
Analytical Method: EPA 9030B Preparation Method: 9034-9030B Pace National - Mt. Juliet									
Sulfide, Reactive	<7.63	mg/kg	25.4	7.63	1	12/22/20 23:00	12/22/20 23:00		
300.0 IC Anions									
Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 Pace Analytical Services - Green Bay									
Nitrate as N	2.3	mg/kg	1.6	0.47	1	12/16/20 19:32	12/17/20 22:38	14797-55-8	
Nitrite as N	<0.34	mg/kg	1.2	0.34	1	12/16/20 19:32	12/17/20 22:38	14797-65-0	
Nitrogen, NO2 plus NO3	2.5J	mg/kg	3.0	0.82	1	12/16/20 19:32	12/17/20 22:38		

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 374055	Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext.	Analysis Description: WIGRO Solid GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2161668 Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	<1.2	4.1	12/17/20 12:24	
a,a,a-Trifluorotoluene (S)	%	97	80-120	12/17/20 12:24	

Parameter	Units	2161669		2161670			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Gasoline Range Organics	mg/kg	10	10.3	10.3	103	103	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				97	96	80-120			

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 1595381	Analysis Method: EPA 6010D
QC Batch Method: 3050B	Analysis Description: Metals (ICP) 6010D
	Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 40219772001

METHOD BLANK: R3606232-1 Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfur	mg/kg	<13.5	45.0	12/22/20 07:20	

LABORATORY CONTROL SAMPLE: R3606232-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfur	mg/kg	1000	937	93.7	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3606232-5 R3606232-6

Parameter	Units	R3606232-5		R3606232-6		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40219772001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Sulfur	mg/kg	280	1080	1080	1170	1530	81.8	115	75.0-125	26.8	20	R1

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 373778	Analysis Method: EPA 7471
QC Batch Method: EPA 7471	Analysis Description: 7471 Mercury
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2160187 Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	12/16/20 07:51	

LABORATORY CONTROL SAMPLE: 2160188

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.87	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160189 2160190

Parameter	Units	2160189		2160190		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/kg	<0.011	0.9	0.90	0.91	101	101	85-115	1	20	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

QC Batch: 373702 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2159887 Matrix: Solid
Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<1.5	2.5	12/15/20 16:31	
Barium	mg/kg	<0.15	0.50	12/15/20 16:31	
Cadmium	mg/kg	<0.13	0.50	12/15/20 16:31	
Chromium	mg/kg	<0.28	1.0	12/15/20 16:31	
Lead	mg/kg	<0.60	2.0	12/15/20 16:31	
Selenium	mg/kg	<1.3	4.0	12/15/20 16:31	
Silver	mg/kg	<0.31	1.0	12/15/20 16:31	

LABORATORY CONTROL SAMPLE: 2159888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.2	100	80-120	
Barium	mg/kg	50	48.3	97	80-120	
Cadmium	mg/kg	50	48.2	96	80-120	
Chromium	mg/kg	50	48.8	98	80-120	
Lead	mg/kg	50	49.8	100	80-120	
Selenium	mg/kg	50	48.4	97	80-120	
Silver	mg/kg	25	24.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2159889 2159890

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40219674001 Result	Spike Conc.	Spike Conc.	Result						
Arsenic	mg/kg	4.3	61.2	61.2	61.6	58.9	94	89	75-125	5	20
Barium	mg/kg	58.2	61.2	61.2	126	126	111	111	75-125	0	20
Cadmium	mg/kg	0.27J	61.2	61.2	58.0	55.7	94	91	75-125	4	20
Chromium	mg/kg	14.9	61.2	61.2	76.6	76.6	101	101	75-125	0	20
Lead	mg/kg	21.8	61.2	61.2	72.0	75.6	82	88	75-125	5	20
Selenium	mg/kg	<1.6	61.2	61.2	55.9	54.1	91	89	75-125	3	20
Silver	mg/kg	0.56J	30.6	30.6	30.4	29.7	97	95	75-125	2	20

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

QC Batch: 373937 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2161006 Matrix: Solid
Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	12/16/20 17:02	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	12/16/20 17:02	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	12/16/20 17:02	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	12/16/20 17:02	
1,1-Dichloroethane	ug/kg	<12.8	50.0	12/16/20 17:02	
1,1-Dichloroethene	ug/kg	<16.6	50.0	12/16/20 17:02	
1,1-Dichloropropene	ug/kg	<16.2	50.0	12/16/20 17:02	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	12/16/20 17:02	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	12/16/20 17:02	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	12/16/20 17:02	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	12/16/20 17:02	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	12/16/20 17:02	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	12/16/20 17:02	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	12/16/20 17:02	
1,2-Dichloroethane	ug/kg	<11.5	50.0	12/16/20 17:02	
1,2-Dichloropropane	ug/kg	<11.9	50.0	12/16/20 17:02	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	12/16/20 17:02	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	12/16/20 17:02	
1,3-Dichloropropane	ug/kg	<10.9	50.0	12/16/20 17:02	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	12/16/20 17:02	
2,2-Dichloropropane	ug/kg	<13.5	50.0	12/16/20 17:02	
2-Butanone (MEK)	ug/kg	<158	1250	12/16/20 17:02	
2-Chlorotoluene	ug/kg	<16.2	50.0	12/16/20 17:02	
4-Chlorotoluene	ug/kg	<19.0	50.0	12/16/20 17:02	
Benzene	ug/kg	<11.9	20.0	12/16/20 17:02	
Bromobenzene	ug/kg	<19.5	50.0	12/16/20 17:02	
Bromochloromethane	ug/kg	<13.7	50.0	12/16/20 17:02	
Bromodichloromethane	ug/kg	<11.9	50.0	12/16/20 17:02	
Bromoform	ug/kg	<220	250	12/16/20 17:02	
Bromomethane	ug/kg	<70.1	250	12/16/20 17:02	
Carbon tetrachloride	ug/kg	<11.0	50.0	12/16/20 17:02	
Chlorobenzene	ug/kg	<6.0	50.0	12/16/20 17:02	
Chloroethane	ug/kg	<21.1	250	12/16/20 17:02	
Chloroform	ug/kg	<35.8	250	12/16/20 17:02	
Chloromethane	ug/kg	<19.0	50.0	12/16/20 17:02	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	12/16/20 17:02	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	12/16/20 17:02	
Dibromochloromethane	ug/kg	<171	250	12/16/20 17:02	
Dibromomethane	ug/kg	<14.8	50.0	12/16/20 17:02	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	12/16/20 17:02	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

METHOD BLANK: 2161006

Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	12/16/20 17:02	
Ethylbenzene	ug/kg	<11.9	50.0	12/16/20 17:02	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	12/16/20 17:02	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	12/16/20 17:02	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	12/16/20 17:02	
Methylene Chloride	ug/kg	<13.9	50.0	12/16/20 17:02	
n-Butylbenzene	ug/kg	<22.9	50.0	12/16/20 17:02	
n-Propylbenzene	ug/kg	<12.0	50.0	12/16/20 17:02	
Naphthalene	ug/kg	<15.6	250	12/16/20 17:02	
p-Isopropyltoluene	ug/kg	<15.2	50.0	12/16/20 17:02	
sec-Butylbenzene	ug/kg	<12.2	50.0	12/16/20 17:02	
Styrene	ug/kg	<12.8	50.0	12/16/20 17:02	
tert-Butylbenzene	ug/kg	<15.7	50.0	12/16/20 17:02	
Tetrachloroethene	ug/kg	<19.4	50.0	12/16/20 17:02	
Toluene	ug/kg	<12.6	50.0	12/16/20 17:02	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	12/16/20 17:02	
trans-1,3-Dichloropropene	ug/kg	<143	250	12/16/20 17:02	
Trichloroethene	ug/kg	<18.7	50.0	12/16/20 17:02	
Trichlorofluoromethane	ug/kg	<14.5	50.0	12/16/20 17:02	
Vinyl chloride	ug/kg	<10.1	50.0	12/16/20 17:02	
Xylene (Total)	ug/kg	<36.1	150	12/16/20 17:02	
1,2-Dichlorobenzene-d4 (S)	%	100	50-150	12/16/20 17:02	
4-Bromofluorobenzene (S)	%	98	52-137	12/16/20 17:02	
Toluene-d8 (S)	%	101	56-140	12/16/20 17:02	

LABORATORY CONTROL SAMPLE: 2161007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2510	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2130	85	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2280	91	70-130	
1,1-Dichloroethane	ug/kg	2500	2690	107	69-143	
1,1-Dichloroethene	ug/kg	2500	2300	92	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2090	84	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1860	74	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2230	89	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2210	88	70-130	
1,2-Dichloroethane	ug/kg	2500	2620	105	70-130	
1,2-Dichloropropane	ug/kg	2500	2340	94	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2220	89	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2260	90	70-130	
Benzene	ug/kg	2500	2310	92	70-130	
Bromodichloromethane	ug/kg	2500	2460	98	70-130	
Bromoform	ug/kg	2500	2140	86	67-130	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

LABORATORY CONTROL SAMPLE: 2161007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/kg	2500	2400	96	45-134	
Carbon tetrachloride	ug/kg	2500	2850	114	70-130	
Chlorobenzene	ug/kg	2500	2380	95	70-130	
Chloroethane	ug/kg	2500	3140	126	58-143	
Chloroform	ug/kg	2500	2440	98	76-122	
Chloromethane	ug/kg	2500	2050	82	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2240	90	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2260	90	70-130	
Dibromochloromethane	ug/kg	2500	2250	90	70-130	
Dichlorodifluoromethane	ug/kg	2500	2630	105	26-99 L1	
Ethylbenzene	ug/kg	2500	2220	89	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2310	93	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2110	84	70-130	
Methylene Chloride	ug/kg	2500	2230	89	70-130	
Styrene	ug/kg	2500	2300	92	70-130	
Tetrachloroethene	ug/kg	2500	2400	96	70-130	
Toluene	ug/kg	2500	2220	89	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2240	90	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2170	87	70-130	
Trichloroethene	ug/kg	2500	2460	99	70-130	
Trichlorofluoromethane	ug/kg	2500	3190	128	70-128	
Vinyl chloride	ug/kg	2500	2410	96	53-110	
Xylene (Total)	ug/kg	7500	6630	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			90	50-150	
4-Bromofluorobenzene (S)	%			92	52-137	
Toluene-d8 (S)	%			91	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2161008 2161009

Parameter	Units	40219791002		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
1,1,1-Trichloroethane	ug/kg	<0.015 mg/kg	1480	1480	1400	1500	94	101	66-130	7	20		
1,1,2,2-Tetrachloroethane	ug/kg	<0.021 mg/kg	1480	1480	1320	1300	89	88	70-133	1	20		
1,1,2-Trichloroethane	ug/kg	<0.022 mg/kg	1480	1480	1450	1460	98	99	70-130	1	20		
1,1-Dichloroethane	ug/kg	<0.015 mg/kg	1480	1480	1510	1570	102	106	69-143	4	20		
1,1-Dichloroethene	ug/kg	<0.020 mg/kg	1480	1480	1310	1340	89	90	58-120	2	20		
1,2,4-Trichlorobenzene	ug/kg	<0.049 mg/kg	1480	1480	1480	1470	100	99	60-130	1	20		
1,2-Dibromo-3-chloropropane	ug/kg	<0.046 mg/kg	1480	1480	1230	1210	83	82	59-136	2	20		
1,2-Dibromoethane (EDB)	ug/kg	<0.016 mg/kg	1480	1480	1380	1410	93	95	70-130	2	20		

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2161008		2161009		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40219791002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichlorobenzene	ug/kg	<0.018 mg/kg	1480	1480	1450	1490	98	100	70-130	2	20		
1,2-Dichloroethane	ug/kg	<0.014 mg/kg	1480	1480	1610	1690	109	114	70-136	5	20		
1,2-Dichloropropane	ug/kg	<0.014 mg/kg	1480	1480	1410	1470	95	99	78-128	4	20		
1,3-Dichlorobenzene	ug/kg	<0.016 mg/kg	1480	1480	1480	1450	100	98	70-130	2	20		
1,4-Dichlorobenzene	ug/kg	<0.016 mg/kg	1480	1480	1470	1530	99	103	70-130	4	20		
Benzene	ug/kg	<0.014 mg/kg	1480	1480	1390	1470	94	99	70-130	6	20		
Bromodichloromethane	ug/kg	<0.014 mg/kg	1480	1480	1440	1540	97	104	70-130	7	20		
Bromoform	ug/kg	<0.26 mg/kg	1480	1480	1280	1240	86	84	63-130	3	20		
Bromomethane	ug/kg	<0.083 mg/kg	1480	1480	1580	1680	107	113	33-146	6	20		
Carbon tetrachloride	ug/kg	<0.013 mg/kg	1480	1480	1430	1630	96	110	65-130	13	20		
Chlorobenzene	ug/kg	<0.0071 mg/kg	1480	1480	1510	1480	102	100	70-130	2	20		
Chloroethane	ug/kg	<0.025 mg/kg	1480	1480	2050	2300	138	155	46-156	12	20		
Chloroform	ug/kg	<0.042 mg/kg	1480	1480	1480	1580	100	107	75-130	7	20		
Chloromethane	ug/kg	<0.023 mg/kg	1480	1480	1390	1390	94	94	20-139	0	20		
cis-1,2-Dichloroethene	ug/kg	<0.013 mg/kg	1480	1480	1320	1490	89	101	69-130	12	20		
cis-1,3-Dichloropropene	ug/kg	<0.039 mg/kg	1480	1480	1360	1410	92	95	70-130	3	20		
Dibromochloromethane	ug/kg	<0.20 mg/kg	1480	1480	1370	1420	92	96	70-130	4	20		
Dichlorodifluoromethane	ug/kg	<0.026 mg/kg	1480	1480	1690	1720	114	116	10-99	2	22	M0	
Ethylbenzene	ug/kg	<0.014 mg/kg	1480	1480	1390	1390	94	94	80-120	0	20		
Isopropylbenzene (Cumene)	ug/kg	<0.016 mg/kg	1480	1480	1370	1390	93	94	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<0.017 mg/kg	1480	1480	1300	1380	88	93	70-130	6	20		
Methylene Chloride	ug/kg	<0.016 mg/kg	1480	1480	1490	1480	101	100	70-136	1	20		
Styrene	ug/kg	<0.015 mg/kg	1480	1480	1390	1430	94	97	70-130	3	20		
Tetrachloroethene	ug/kg	<0.023 mg/kg	1480	1480	1440	1430	97	96	68-130	1	20		
Toluene	ug/kg	<0.015 mg/kg	1480	1480	1380	1370	93	92	80-120	1	20		
trans-1,2-Dichloroethene	ug/kg	<0.013 mg/kg	1480	1480	1410	1460	95	99	70-130	4	20		
trans-1,3-Dichloropropene	ug/kg	<0.17 mg/kg	1480	1480	1310	1380	89	93	70-130	5	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Parameter	Units	2161008		2161009		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40219791002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Trichloroethene	ug/kg	<0.022 mg/kg	1480	1480	1460	1530	99	103	70-130	5	20	
Trichlorofluoromethane	ug/kg	<0.017 mg/kg	1480	1480	1810	1840	122	124	53-128	2	20	
Vinyl chloride	ug/kg	<0.012 mg/kg	1480	1480	1490	1540	100	104	32-118	4	20	
Xylene (Total)	ug/kg	<0.043 mg/kg	4450	4450	4130	4140	93	93	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						136	120	50-150			
4-Bromofluorobenzene (S)	%						131	120	52-137			
Toluene-d8 (S)	%						132	118	56-140			

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

QC Batch: 373774	Analysis Method: EPA 8270
QC Batch Method: EPA 3546	Analysis Description: 8270 Solid MSSV Microwave
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2160169 Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<18.9	63.0	12/15/20 13:42	
1,2-Dichlorobenzene	ug/kg	<52.5	175	12/15/20 13:42	
1,3-Dichlorobenzene	ug/kg	<23.1	77.1	12/15/20 13:42	
1,4-Dichlorobenzene	ug/kg	<23.3	77.6	12/15/20 13:42	
2,2'-Oxybis(1-chloropropane)	ug/kg	<43.1	144	12/15/20 13:42	
2,4,5-Trichlorophenol	ug/kg	<29.5	98.4	12/15/20 13:42	
2,4,6-Trichlorophenol	ug/kg	<25.5	84.9	12/15/20 13:42	
2,4-Dichlorophenol	ug/kg	<44.7	149	12/15/20 13:42	
2,4-Dimethylphenol	ug/kg	<33.0	110	12/15/20 13:42	
2,4-Dinitrophenol	ug/kg	<50.9	170	12/15/20 13:42	
2,4-Dinitrotoluene	ug/kg	<23.9	79.6	12/15/20 13:42	
2,6-Dinitrotoluene	ug/kg	<31.7	106	12/15/20 13:42	
2-Chloronaphthalene	ug/kg	<21.5	71.5	12/15/20 13:42	
2-Chlorophenol	ug/kg	<41.7	139	12/15/20 13:42	
2-Methylnaphthalene	ug/kg	<43.4	145	12/15/20 13:42	
2-Methylphenol(o-Cresol)	ug/kg	<30.4	101	12/15/20 13:42	
2-Nitroaniline	ug/kg	<47.6	159	12/15/20 13:42	
2-Nitrophenol	ug/kg	<52.7	176	12/15/20 13:42	
3&4-Methylphenol(m&p Cresol)	ug/kg	<30.6	102	12/15/20 13:42	
3,3'-Dichlorobenzidine	ug/kg	<45.3	151	12/15/20 13:42	
3-Nitroaniline	ug/kg	<28.4	94.7	12/15/20 13:42	
4,6-Dinitro-2-methylphenol	ug/kg	<51.5	172	12/15/20 13:42	
4-Bromophenylphenyl ether	ug/kg	<35.0	117	12/15/20 13:42	
4-Chloro-3-methylphenol	ug/kg	<52.0	173	12/15/20 13:42	
4-Chloroaniline	ug/kg	<27.5	91.5	12/15/20 13:42	
4-Chlorophenylphenyl ether	ug/kg	<31.1	104	12/15/20 13:42	
4-Nitroaniline	ug/kg	<69.3	231	12/15/20 13:42	
4-Nitrophenol	ug/kg	<42.1	140	12/15/20 13:42	
Acenaphthene	ug/kg	<59.3	198	12/15/20 13:42	
Acenaphthylene	ug/kg	<59.6	199	12/15/20 13:42	
Anthracene	ug/kg	<26.7	89.0	12/15/20 13:42	
Benzo(a)anthracene	ug/kg	<25.9	86.3	12/15/20 13:42	
Benzo(a)pyrene	ug/kg	<25.1	83.8	12/15/20 13:42	
Benzo(b)fluoranthene	ug/kg	<28.7	95.7	12/15/20 13:42	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	12/15/20 13:42	
Benzo(k)fluoranthene	ug/kg	<40.0	133	12/15/20 13:42	
bis(2-Chloroethoxy)methane	ug/kg	<45.0	150	12/15/20 13:42	
bis(2-Chloroethyl) ether	ug/kg	<52.2	174	12/15/20 13:42	
bis(2-Ethylhexyl)phthalate	ug/kg	<27.8	92.6	12/15/20 13:42	
Butylbenzylphthalate	ug/kg	<26.8	89.3	12/15/20 13:42	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

METHOD BLANK: 2160169

Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbazole	ug/kg	<26.2	87.2	12/15/20 13:42	
Chrysene	ug/kg	<25.0	83.3	12/15/20 13:42	
Di-n-butylphthalate	ug/kg	<25.0	83.2	12/15/20 13:42	
Di-n-octylphthalate	ug/kg	<37.6	125	12/15/20 13:42	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	12/15/20 13:42	
Dibenzofuran	ug/kg	<20.2	67.4	12/15/20 13:42	
Diethylphthalate	ug/kg	<27.7	92.4	12/15/20 13:42	
Dimethylphthalate	ug/kg	<21.7	72.5	12/15/20 13:42	
Fluoranthene	ug/kg	<23.6	78.8	12/15/20 13:42	
Fluorene	ug/kg	<19.5	65.1	12/15/20 13:42	
Hexachloro-1,3-butadiene	ug/kg	<42.6	142	12/15/20 13:42	
Hexachlorobenzene	ug/kg	<28.1	93.7	12/15/20 13:42	
Hexachlorocyclopentadiene	ug/kg	<39.5	132	12/15/20 13:42	
Hexachloroethane	ug/kg	<26.7	89.1	12/15/20 13:42	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.2	121	12/15/20 13:42	
Isophorone	ug/kg	<25.7	85.6	12/15/20 13:42	
N-Nitroso-di-n-propylamine	ug/kg	<26.5	88.3	12/15/20 13:42	
N-Nitrosodiphenylamine	ug/kg	<227	756	12/15/20 13:42	
Naphthalene	ug/kg	<58.4	195	12/15/20 13:42	
Nitrobenzene	ug/kg	<33.9	113	12/15/20 13:42	
Pentachlorophenol	ug/kg	<36.8	123	12/15/20 13:42	
Phenanthrene	ug/kg	<21.4	71.5	12/15/20 13:42	
Phenol	ug/kg	<39.7	132	12/15/20 13:42	
Pyrene	ug/kg	<37.0	123	12/15/20 13:42	
Pyridine	ug/kg	<26.9	89.6	12/15/20 13:42	
2,4,6-Tribromophenol (S)	%	91	10-153	12/15/20 13:42	
2-Fluorobiphenyl (S)	%	85	45-103	12/15/20 13:42	
2-Fluorophenol (S)	%	79	10-110	12/15/20 13:42	
Nitrobenzene-d5 (S)	%	90	17-110	12/15/20 13:42	
Phenol-d6 (S)	%	81	11-109	12/15/20 13:42	
Terphenyl-d14 (S)	%	107	46-100	12/15/20 13:42	S3

LABORATORY CONTROL SAMPLE: 2160170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1440	86	62-130	
1,2-Dichlorobenzene	ug/kg	1670	1320	79	65-130	
1,3-Dichlorobenzene	ug/kg	1670	1250	75	64-130	
1,4-Dichlorobenzene	ug/kg	1670	1280	77	64-120	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1330	80	52-130	
2,4,5-Trichlorophenol	ug/kg	1670	1470	88	64-115	
2,4,6-Trichlorophenol	ug/kg	1670	1430	86	67-110	
2,4-Dichlorophenol	ug/kg	1670	1490	89	60-112	
2,4-Dimethylphenol	ug/kg	1670	1530	92	53-118	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

LABORATORY CONTROL SAMPLE: 2160170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1670	767	46	18-103	
2,4-Dinitrotoluene	ug/kg	1670	1580	95	67-130	
2,6-Dinitrotoluene	ug/kg	1670	1550	93	65-130	
2-Chloronaphthalene	ug/kg	1670	1450	87	70-130	
2-Chlorophenol	ug/kg	1670	1340	81	62-130	
2-Methylnaphthalene	ug/kg	1670	1530	92	69-130	
2-Methylphenol(o-Cresol)	ug/kg	1670	1450	87	64-130	
2-Nitroaniline	ug/kg	1670	1490	89	64-130	
2-Nitrophenol	ug/kg	1670	1370	82	59-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1450	87	63-130	
3,3'-Dichlorobenzidine	ug/kg	1670	990	59	41-105	
3-Nitroaniline	ug/kg	1670	1370	82	55-110	
4,6-Dinitro-2-methylphenol	ug/kg	1670	1170	70	41-111	
4-Bromophenylphenyl ether	ug/kg	1670	1580	95	70-130	
4-Chloro-3-methylphenol	ug/kg	1670	1530	92	61-117	
4-Chloroaniline	ug/kg	1670	1090	65	41-103	
4-Chlorophenylphenyl ether	ug/kg	1670	1540	93	70-116	
4-Nitroaniline	ug/kg	1670	1510	90	59-118	
4-Nitrophenol	ug/kg	1670	1180	71	28-116	
Acenaphthene	ug/kg	1670	1490	90	73-113	
Acenaphthylene	ug/kg	1670	1510	91	70-116	
Anthracene	ug/kg	1670	1690	101	70-121	
Benzo(a)anthracene	ug/kg	1670	1500	90	70-117	
Benzo(a)pyrene	ug/kg	1670	1470	88	67-111	
Benzo(b)fluoranthene	ug/kg	1670	1470	88	67-112	
Benzo(g,h,i)perylene	ug/kg	1670	1550	93	59-117	
Benzo(k)fluoranthene	ug/kg	1670	1460	88	70-112	
bis(2-Chloroethoxy)methane	ug/kg	1670	1520	91	70-130	
bis(2-Chloroethyl) ether	ug/kg	1670	1330	80	55-130	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1500	90	59-125	
Butylbenzylphthalate	ug/kg	1670	1580	95	53-131	
Carbazole	ug/kg	1670	1650	99	70-114	
Chrysene	ug/kg	1670	1520	91	65-125	
Di-n-butylphthalate	ug/kg	1670	1600	96	68-130	
Di-n-octylphthalate	ug/kg	1670	1420	85	53-121	
Dibenz(a,h)anthracene	ug/kg	1670	1470	88	37-123	
Dibenzofuran	ug/kg	1670	1500	90	70-130	
Diethylphthalate	ug/kg	1670	1570	94	66-130	
Dimethylphthalate	ug/kg	1670	1540	92	70-130	
Fluoranthene	ug/kg	1670	1620	97	77-118	
Fluorene	ug/kg	1670	1550	93	70-118	
Hexachloro-1,3-butadiene	ug/kg	1670	1410	85	58-121	
Hexachlorobenzene	ug/kg	1670	1660	100	70-130	
Hexachlorocyclopentadiene	ug/kg	1670	1330	80	31-123	
Hexachloroethane	ug/kg	1670	1260	75	61-104	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1320	79	53-115	
Isophorone	ug/kg	1670	1550	93	65-130	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

LABORATORY CONTROL SAMPLE: 2160170

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1670	1520	91	63-130	
N-Nitrosodiphenylamine	ug/kg	1670	1550	93	69-109	
Naphthalene	ug/kg	1670	1470	89	70-113	
Nitrobenzene	ug/kg	1670	1410	85	60-130	
Pentachlorophenol	ug/kg	1670	1270	76	43-101	
Phenanthrene	ug/kg	1670	1580	95	70-115	
Phenol	ug/kg	1670	1320	79	59-105	
Pyrene	ug/kg	1670	1650	99	70-126	
Pyridine	ug/kg	1670	378	23	17-97	
2,4,6-Tribromophenol (S)	%			96	10-153	
2-Fluorobiphenyl (S)	%			84	45-103	
2-Fluorophenol (S)	%			73	10-110	
Nitrobenzene-d5 (S)	%			86	17-110	
Phenol-d6 (S)	%			80	11-109	
Terphenyl-d14 (S)	%			100	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160171 2160172

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40219615006	Spike Conc.	Spike Conc.	Result								
1,2,4-Trichlorobenzene	ug/kg	<0.023 mg/kg	2040	2040	1780	1740	87	85	49-130	2	27		
1,2-Dichlorobenzene	ug/kg	<0.064 mg/kg	2040	2040	1700	1680	83	83	46-130	1	30		
1,3-Dichlorobenzene	ug/kg	<0.028 mg/kg	2040	2040	1650	1620	81	79	45-130	2	33		
1,4-Dichlorobenzene	ug/kg	<0.028 mg/kg	2040	2040	1680	1640	82	80	44-120	3	31		
2,2'-Oxybis(1-chloropropane)	ug/kg	<0.053 mg/kg	2040	2040	1640	1640	80	80	41-130	0	23		
2,4,5-Trichlorophenol	ug/kg	<0.036 mg/kg	2040	2040	1760	1760	86	86	35-115	0	28		
2,4,6-Trichlorophenol	ug/kg	<0.031 mg/kg	2040	2040	1670	1680	82	83	40-110	1	27		
2,4-Dichlorophenol	ug/kg	<0.055 mg/kg	2040	2040	1800	1770	88	87	44-112	2	27		
2,4-Dimethylphenol	ug/kg	<0.040 mg/kg	2040	2040	1620	1590	79	78	45-118	2	28		
2,4-Dinitrophenol	ug/kg	<0.062 mg/kg	2040	2040	817	714	40	35	10-103	13	43		
2,4-Dinitrotoluene	ug/kg	<0.029 mg/kg	2040	2040	1770	1870	87	92	47-130	5	29		
2,6-Dinitrotoluene	ug/kg	<0.039 mg/kg	2040	2040	1790	1850	88	91	49-130	3	27		
2-Chloronaphthalene	ug/kg	<0.026 mg/kg	2040	2040	1630	1680	80	82	50-130	3	23		
2-Chlorophenol	ug/kg	<0.051 mg/kg	2040	2040	1710	1670	84	82	44-130	2	30		
2-Methylnaphthalene	ug/kg	<0.053 mg/kg	2040	2040	1840	1820	90	89	54-130	1	24		

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Parameter	Units	2160171		2160172		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40219615006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
2-Methylphenol(o-Cresol)	ug/kg	<0.037 mg/kg	2040	2040	1760	1760	86	86	46-130	0	24		
2-Nitroaniline	ug/kg	<0.058 mg/kg	2040	2040	1740	1750	85	86	50-130	1	29		
2-Nitrophenol	ug/kg	<0.065 mg/kg	2040	2040	1770	1770	87	87	10-138	0	32		
3&4-Methylphenol(m&p Cresol)	ug/kg	<0.037 mg/kg	2040	2040	1720	1720	84	85	41-130	0	25		
3,3'-Dichlorobenzidine	ug/kg	<0.055 mg/kg	2040	2040	1490	1480	73	73	11-132	1	30		
3-Nitroaniline	ug/kg	<0.035 mg/kg	2040	2040	1680	1730	83	85	33-110	3	35		
4,6-Dinitro-2-methylphenol	ug/kg	<0.063 mg/kg	2040	2040	1180	1070	58	53	10-111	10	50		
4-Bromophenylphenyl ether	ug/kg	<0.043 mg/kg	2040	2040	1840	1770	90	87	51-130	4	24		
4-Chloro-3-methylphenol	ug/kg	<0.064 mg/kg	2040	2040	1840	1820	90	90	42-117	1	27		
4-Chloroaniline	ug/kg	<0.034 mg/kg	2040	2040	1610	1670	79	82	30-103	3	28		
4-Chlorophenylphenyl ether	ug/kg	<0.038 mg/kg	2040	2040	1700	1770	84	87	53-116	4	26		
4-Nitroaniline	ug/kg	<0.085 mg/kg	2040	2040	1800	1770	88	87	31-118	2	43		
4-Nitrophenol	ug/kg	<0.051 mg/kg	2040	2040	1500	1360	73	67	10-116	9	43		
Acenaphthene	ug/kg	<0.073 mg/kg	2040	2040	1700	1750	83	86	49-113	3	24		
Acenaphthylene	ug/kg	<0.073 mg/kg	2040	2040	1720	1770	84	87	52-116	3	25		
Anthracene	ug/kg	<0.033 mg/kg	2040	2040	1890	1950	93	96	50-121	3	27		
Benzo(a)anthracene	ug/kg	<0.032 mg/kg	2040	2040	1760	1780	86	87	50-117	1	24		
Benzo(a)pyrene	ug/kg	<0.031 mg/kg	2040	2040	1770	1760	87	86	35-121	1	24		
Benzo(b)fluoranthene	ug/kg	<0.035 mg/kg	2040	2040	1740	1670	85	82	45-112	4	27		
Benzo(g,h,i)perylene	ug/kg	<0.054 mg/kg	2040	2040	1780	1840	87	90	35-117	3	23		
Benzo(k)fluoranthene	ug/kg	<0.049 mg/kg	2040	2040	1690	1680	82	82	48-112	0	24		
bis(2-Chloroethoxy)methane	ug/kg	<0.055 mg/kg	2040	2040	1860	1800	91	88	51-130	3	27		
bis(2-Chloroethyl) ether	ug/kg	<0.064 mg/kg	2040	2040	1750	1680	86	83	40-130	4	30		
bis(2-Ethylhexyl)phthalate	ug/kg	<0.034 mg/kg	2040	2040	1830	1800	90	89	49-125	2	25		
Butylbenzylphthalate	ug/kg	<0.033 mg/kg	2040	2040	1880	1870	92	92	47-131	1	24		
Carbazole	ug/kg	<0.032 mg/kg	2040	2040	1910	1920	94	94	53-114	1	27		
Chrysene	ug/kg	<0.031 mg/kg	2040	2040	1730	1770	85	87	54-125	2	24		

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

Parameter	Units	2160171		2160172		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40219615006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Di-n-butylphthalate	ug/kg	<0.031 mg/kg	2040	2040	1850	1840	91	90	50-130	0	25		
Di-n-octylphthalate	ug/kg	<0.046 mg/kg	2040	2040	1880	1790	92	88	43-124	5	20		
Dibenz(a,h)anthracene	ug/kg	<0.056 mg/kg	2040	2040	1810	1770	89	86	29-124	3	29		
Dibenzofuran	ug/kg	<0.025 mg/kg	2040	2040	1670	1760	82	86	53-130	5	22		
Diethylphthalate	ug/kg	<0.034 mg/kg	2040	2040	1760	1850	86	91	52-130	5	22		
Dimethylphthalate	ug/kg	<0.027 mg/kg	2040	2040	1760	1800	86	88	51-130	2	22		
Fluoranthene	ug/kg	<0.029 mg/kg	2040	2040	1890	1910	93	94	57-121	1	29		
Fluorene	ug/kg	<0.024 mg/kg	2040	2040	1730	1850	85	91	53-118	7	20		
Hexachloro-1,3-butadiene	ug/kg	<0.052 mg/kg	2040	2040	1810	1740	89	86	53-121	4	28		
Hexachlorobenzene	ug/kg	<0.034 mg/kg	2040	2040	1910	1890	94	93	52-130	1	23		
Hexachlorocyclopentadiene	ug/kg	<0.048 mg/kg	2040	2040	1690	1530	83	75	10-130	10	50		
Hexachloroethane	ug/kg	<0.033 mg/kg	2040	2040	1690	1680	83	83	35-104	0	33		
Indeno(1,2,3-cd)pyrene	ug/kg	<0.044 mg/kg	2040	2040	1710	1640	84	80	33-118	4	29		
Isophorone	ug/kg	<0.031 mg/kg	2040	2040	1910	1890	94	92	48-130	1	25		
N-Nitroso-di-n-propylamine	ug/kg	<0.032 mg/kg	2040	2040	1860	1820	91	89	47-130	2	25		
N-Nitrosodiphenylamine	ug/kg	<0.28 mg/kg	2040	2040	1800	1770	88	87	39-119	2	28		
Naphthalene	ug/kg	<0.072 mg/kg	2040	2040	1790	1800	88	88	49-113	1	25		
Nitrobenzene	ug/kg	<0.041 mg/kg	2040	2040	1780	1750	87	86	46-130	2	29		
Pentachlorophenol	ug/kg	<0.045 mg/kg	2040	2040	1430	1340	70	66	10-133	7	48		
Phenanthrene	ug/kg	<0.026 mg/kg	2040	2040	1800	1860	88	91	48-115	3	27		
Phenol	ug/kg	<0.049 mg/kg	2040	2040	1610	1570	79	77	41-105	3	27		
Pyrene	ug/kg	<0.045 mg/kg	2040	2040	1880	1900	92	93	49-126	1	23		
Pyridine	ug/kg	<32.9	2040	2040	1230	1140	60	56	17-97	7	41		
2,4,6-Tribromophenol (S)	%						89	93	10-153				
2-Fluorobiphenyl (S)	%						78	78	45-103				
2-Fluorophenol (S)	%						81	76	10-110				
Nitrobenzene-d5 (S)	%						90	86	17-110				
Phenol-d6 (S)	%						82	81	11-109				
Terphenyl-d14 (S)	%						90	91	46-100				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 373676

Analysis Method: WI MOD DRO

QC Batch Method: WI MOD DRO

Analysis Description: WIDRO GCS

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2159834

Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<1.3	4.4	12/15/20 10:54	

LABORATORY CONTROL SAMPLE & LCSD: 2159835

2159836

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	34.6	35.9	86	90	70-120	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 373859

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: 40219772001

SAMPLE DUPLICATE: 2160702

Parameter	Units	40219727008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.3	12.3	0	10	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 1594046	Analysis Method: SM 2540G
QC Batch Method: SM 2540 G	Analysis Description: Total Solids 2540 G-2011
	Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 40219772001

METHOD BLANK: R3605666-1 Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND		12/18/20 10:23	

LABORATORY CONTROL SAMPLE: R3605666-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3605666-3

Parameter	Units	L1296699-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	77.0	76.2	1.05	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

QC Batch: 1594644	Analysis Method: EPA 9030B
QC Batch Method: 9034-9030B	Analysis Description: Wet Chemistry 9034-9030B
	Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 40219772001

METHOD BLANK: R3606405-1 Matrix: Solid

Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<7.63	25.0	12/22/20 23:00	

LABORATORY CONTROL SAMPLE: R3606405-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	100	88.2	88.2	70.0-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3606405-5 R3606405-6

Parameter	Units	R3606405-5		R3606405-6		% Rec Limits	RPD	Max RPD	Qual		
		L1298435-02 Result	MS Spike Conc.	MS Spike Conc.	MS Result					MSD Result	MS % Rec
Sulfide, Reactive	mg/kg	ND	100	100	90.8	91.4	90.8	91.4	70.0-130	0.651	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

QC Batch: 373925 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219772001

METHOD BLANK: 2160973 Matrix: Solid
Associated Lab Samples: 40219772001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate as N	mg/kg	<0.44	1.5	12/17/20 19:54	
Nitrite as N	mg/kg	<0.32	1.1	12/17/20 19:54	
Nitrogen, NO2 plus NO3	mg/kg	<0.76	2.8	12/17/20 19:54	

LABORATORY CONTROL SAMPLE: 2160974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate as N	mg/kg	15	15.9	106	80-120	
Nitrite as N	mg/kg	10	10.3	103	80-120	
Nitrogen, NO2 plus NO3	mg/kg	25	26.2	105		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160975 2160976

Parameter	Units	40219697001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Nitrate as N	mg/kg	ND	17.9	17.8	18.6	18.2	103	101	80-120	2	15		
Nitrite as N	mg/kg	ND	12	12	12.1	11.7	101	99	80-120	3	15		
Nitrogen, NO2 plus NO3	mg/kg	ND	29.9	29.8	30.7	29.9	102	100		2	15		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160977 2160978

Parameter	Units	40219845011		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Nitrate as N	mg/kg	<2.4	16.1	16.1	19.5	19.9	112	114	80-120	2	15		
Nitrite as N	mg/kg	<1.7	10.7	10.7	9.2	9.2	85	86	80-120	1	15		
Nitrogen, NO2 plus NO3	mg/kg	<4.1	26.9	26.9	28.7	29.1	101	103		1	15		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219772

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: 40219772

[1] All Reactive Sulfide results reported in the attached report were determined as totals using method 9034/9030B.

ANALYTE QUALIFIERS

D5 The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.

DC Chromatographic pattern inconsistent with typical Diesel Fuel.

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

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

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219772

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40219772001	WASTE DISPOSAL	WI MOD DRO	373676	WI MOD DRO	373724
40219772001	WASTE DISPOSAL	TPH GRO/PVOC WI ext.	374055	WI MOD GRO	374070
40219772001	WASTE DISPOSAL	3050B	1595381	EPA 6010D	1595381
40219772001	WASTE DISPOSAL	EPA 3050	373702	EPA 6010	373836
40219772001	WASTE DISPOSAL	EPA 7471	373778	EPA 7471	373839
40219772001	WASTE DISPOSAL	EPA 3546	373774	EPA 8270	373819
40219772001	WASTE DISPOSAL	EPA 5035/5030B	373937	EPA 8260	373942
40219772001	WASTE DISPOSAL	ASTM D2974-87	373859		
40219772001	WASTE DISPOSAL	SM 2540 G	1594046	SM 2540G	1594046
40219772001	WASTE DISPOSAL	9034-9030B	1594644	EPA 9030B	1594644
40219772001	WASTE DISPOSAL	EPA 300.0	373925	EPA 300.0	374058

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: True North Gasworks
 Branch/Location: Madison WI
 Project Contact: Tom Culp
 Phone: 608-212-1676
 Project Number: T219051
 Project Name: L2 Repetives
 Project State: WI
 Sampled By (Print): Ben Stewart
 Sampled By (Sign): Ben Stewart
 PO #: T219051
 Regulatory Program:



CHAIN OF CUSTODY

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

Y/N	Pick/Labor	Analysis Requested	DATE	TIME	MATRIX
X	F	VOC	12/11	930	S
X	A	SUOC			
X	A	RCRA Metals			
X	F	GRO			
X	A	DRO			
X	A	Total Sulfur/Sulfate, reactive Sulfide			
X	A	Total Sulfate			

Quote #: 40249772

Mail To Contact: Tom Culp
 Mail To Company: True North Gasworks
 Mail To Address: 525 Junction Road Madison WI 53717

Invoice To Contact: Same As Above
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

CLIENT COMMENTS (Lab Use Only):
 LAB COMMENTS Profile #

Received By: [Signature] Date/Time: 12/11/20
 Relinquished By: Ben Stewart Date/Time: 12/11/20
 Relinquished By: [Signature] Date/Time: 12/12/20

Rush Turnaround Time Requested - Prelims
 Rush TAT subject to approval/surcharge)
 Date Needed: 5 Day/ASAP
 Transmit Prelim Rush Results by (complete what you want):
 Email #1: CVA/cheff@consulting.com
 Email #2: tculp@consulting.com
 Telephone:
 Fax:

Special pricing and release of liability

Relinquished By: [Signature] Date/Time: 12/11/20
 Received By: [Signature] Date/Time: 12/11/20

Relinquished By: [Signature] Date/Time: 12/12/20
 Received By: [Signature] Date/Time: 12/12/20

Receipt Temp = 25 °C
 Sample Receipt pH: OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Preservation Receipt Form

Client Name: Five North Cons

Project # W0297772

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/Time:

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

Pace Lab #	Glass				Plastic				Vials				Jars			General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (ml)				
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H								VG9M	VG9D	JGFU	JG9U
001																												
002																												
003																												
004																												
005																												
006																												
007																												
008																												
009																												
010																												
011																												
012																												
013																												
014																												
015																												
016																												
017																												
018																												
019																												
020																												

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 ascortic	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 1.25 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 1.20 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 1.00 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN
AG3U 250 mL clear glass unpres			

Sample Condition Upon Receipt Form (SCUR)

Client Name: True North Cons.

Project #: **WO#: 40219772**

 40219772

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

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: LOT / Corr: _____

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
Date: 12/2/20 / Initials: MP
Labeled By Initials: MP

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.	DRO NO Headspace 12/2/20 MP
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.
- Includes date/time/ID/Analysis Matrix: <u>S</u>	<u>Sample ID "Waste Profile"</u>	<u>12/2/20</u> MP
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

December 17, 2020

Thomas Culp
True North Consultants, Inc.
525 Junction Road
Suite 1900
Madison, WI 53717

RE: Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Dear Thomas Culp:

Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Green Bay

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

Sincerely,



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

Enclosures

cc: Ben Stencil, True North Consultants, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

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: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40219775001	GB-2 2-3	Solid	12/11/20 09:00	12/12/20 08:45
40219775002	GB-2 6-7	Solid	12/11/20 09:05	12/12/20 08:45
40219775003	GB-1 2-3	Solid	12/11/20 09:15	12/12/20 08:45
40219775004	GB-1 6-7	Solid	12/11/20 09:20	12/12/20 08:45
40219775005	GB-3 3-4	Solid	12/11/20 10:15	12/12/20 08:45
40219775006	GB-3 7-8	Solid	12/11/20 10:20	12/12/20 08:45
40219775007	GB-5 5-6	Solid	12/11/20 10:30	12/12/20 08:45
40219775008	GB-5 9-10	Solid	12/11/20 10:35	12/12/20 08:45
40219775009	GB-4 4-5	Solid	12/11/20 10:50	12/12/20 08:45
40219775010	GB-4 8-9	Solid	12/11/20 10:55	12/12/20 08:45
40219775011	GB-6 3-4	Solid	12/11/20 11:15	12/12/20 08:45
40219775012	GB-6 8-9	Solid	12/11/20 11:20	12/12/20 08:45
40219775013	GB-6 14-15	Solid	12/11/20 11:25	12/12/20 08:45
40219775014	GB-7 4-5	Solid	12/11/20 12:00	12/12/20 08:45
40219775015	GB-7 8-9	Solid	12/11/20 12:05	12/12/20 08:45
40219775016	TRIP BLANK	Solid	12/11/20 00:00	12/12/20 08:45

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SAMPLE ANALYTE COUNT

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40219775001	GB-2 2-3	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775002	GB-2 6-7	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775003	GB-1 2-3	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775004	GB-1 6-7	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775005	GB-3 3-4	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775006	GB-3 7-8	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775007	GB-5 5-6	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775008	GB-5 9-10	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775009	GB-4 4-5	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775010	GB-4 8-9	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775011	GB-6 3-4	EPA 8270 by SIM	JJB	20
		EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775012	GB-6 8-9	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775013	GB-6 14-15	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775014	GB-7 4-5	EPA 8260	ALD	63
		ASTM D2974-87	SKW	1
40219775015	GB-7 8-9	EPA 8260	ALD	63
		ASTM D2974-87	MLR	1
40219775016	TRIP BLANK	EPA 8260	ALD	63

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40219775001	GB-2 2-3					
EPA 8260	Tetrachloroethene	270	ug/kg	57.4	12/15/20 15:20	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	12/15/20 08:49	
40219775002	GB-2 6-7					
EPA 8260	Tetrachloroethene	126	ug/kg	54.2	12/15/20 15:39	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	12/15/20 08:49	
40219775003	GB-1 2-3					
EPA 8260	Tetrachloroethene	127	ug/kg	53.3	12/15/20 15:59	
ASTM D2974-87	Percent Moisture	6.1	%	0.10	12/15/20 08:49	
40219775004	GB-1 6-7					
EPA 8260	Tetrachloroethene	176	ug/kg	54.1	12/15/20 16:18	
ASTM D2974-87	Percent Moisture	7.6	%	0.10	12/15/20 08:49	
40219775005	GB-3 3-4					
ASTM D2974-87	Percent Moisture	21.9	%	0.10	12/15/20 08:49	
40219775006	GB-3 7-8					
ASTM D2974-87	Percent Moisture	6.6	%	0.10	12/15/20 08:49	
40219775007	GB-5 5-6					
ASTM D2974-87	Percent Moisture	23.4	%	0.10	12/15/20 08:49	
40219775008	GB-5 9-10					
EPA 8260	Tetrachloroethene	30.5J	ug/kg	54.3	12/15/20 17:36	
ASTM D2974-87	Percent Moisture	8.0	%	0.10	12/15/20 08:49	
40219775009	GB-4 4-5					
ASTM D2974-87	Percent Moisture	19.6	%	0.10	12/15/20 08:50	
40219775010	GB-4 8-9					
ASTM D2974-87	Percent Moisture	6.6	%	0.10	12/15/20 08:50	
40219775011	GB-6 3-4					
EPA 8270 by SIM	Anthracene	5.2J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Benzo(a)anthracene	10.4J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Benzo(a)pyrene	6.8J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Benzo(b)fluoranthene	8.5J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Benzo(g,h,i)perylene	5.4J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Benzo(k)fluoranthene	4.4J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Chrysene	7.9J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Fluoranthene	19.0J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Phenanthrene	14.6J	ug/kg	21.2	12/16/20 19:08	
EPA 8270 by SIM	Pyrene	14.8J	ug/kg	21.2	12/16/20 19:08	
ASTM D2974-87	Percent Moisture	21.1	%	0.10	12/15/20 08:50	
40219775012	GB-6 8-9					
ASTM D2974-87	Percent Moisture	17.7	%	0.10	12/15/20 08:50	
40219775013	GB-6 14-15					
ASTM D2974-87	Percent Moisture	8.2	%	0.10	12/15/20 08:50	

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SUMMARY OF DETECTION

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40219775014	GB-7 4-5					
ASTM D2974-87	Percent Moisture	18.2	%	0.10	12/15/20 08:50	
40219775015	GB-7 8-9					
ASTM D2974-87	Percent Moisture	14.3	%	0.10	12/15/20 09:20	

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-2 2-3 **Lab ID: 40219775001** Collected: 12/11/20 09:00 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.8	ug/kg	57.4	13.8	1	12/15/20 08:00	12/15/20 15:20	630-20-6	
1,1,1-Trichloroethane	<14.7	ug/kg	57.4	14.7	1	12/15/20 08:00	12/15/20 15:20	71-55-6	
1,1,2,2-Tetrachloroethane	<20.8	ug/kg	57.4	20.8	1	12/15/20 08:00	12/15/20 15:20	79-34-5	
1,1,2-Trichloroethane	<20.9	ug/kg	57.4	20.9	1	12/15/20 08:00	12/15/20 15:20	79-00-5	
1,1-Dichloroethane	<14.7	ug/kg	57.4	14.7	1	12/15/20 08:00	12/15/20 15:20	75-34-3	
1,1-Dichloroethene	<19.1	ug/kg	57.4	19.1	1	12/15/20 08:00	12/15/20 15:20	75-35-4	
1,1-Dichloropropene	<18.6	ug/kg	57.4	18.6	1	12/15/20 08:00	12/15/20 15:20	563-58-6	
1,2,3-Trichlorobenzene	<64.0	ug/kg	287	64.0	1	12/15/20 08:00	12/15/20 15:20	87-61-6	
1,2,3-Trichloropropane	<27.9	ug/kg	57.4	27.9	1	12/15/20 08:00	12/15/20 15:20	96-18-4	
1,2,4-Trichlorobenzene	<47.3	ug/kg	287	47.3	1	12/15/20 08:00	12/15/20 15:20	120-82-1	
1,2,4-Trimethylbenzene	<17.1	ug/kg	57.4	17.1	1	12/15/20 08:00	12/15/20 15:20	95-63-6	
1,2-Dibromo-3-chloropropane	<44.6	ug/kg	287	44.6	1	12/15/20 08:00	12/15/20 15:20	96-12-8	
1,2-Dibromoethane (EDB)	<15.7	ug/kg	57.4	15.7	1	12/15/20 08:00	12/15/20 15:20	106-93-4	
1,2-Dichlorobenzene	<17.8	ug/kg	57.4	17.8	1	12/15/20 08:00	12/15/20 15:20	95-50-1	
1,2-Dichloroethane	<13.2	ug/kg	57.4	13.2	1	12/15/20 08:00	12/15/20 15:20	107-06-2	
1,2-Dichloropropane	<13.7	ug/kg	57.4	13.7	1	12/15/20 08:00	12/15/20 15:20	78-87-5	
1,3,5-Trimethylbenzene	<18.5	ug/kg	57.4	18.5	1	12/15/20 08:00	12/15/20 15:20	108-67-8	
1,3-Dichlorobenzene	<15.7	ug/kg	57.4	15.7	1	12/15/20 08:00	12/15/20 15:20	541-73-1	
1,3-Dichloropropane	<12.5	ug/kg	57.4	12.5	1	12/15/20 08:00	12/15/20 15:20	142-28-9	
1,4-Dichlorobenzene	<15.7	ug/kg	57.4	15.7	1	12/15/20 08:00	12/15/20 15:20	106-46-7	
2,2-Dichloropropane	<15.5	ug/kg	57.4	15.5	1	12/15/20 08:00	12/15/20 15:20	594-20-7	
2-Chlorotoluene	<18.6	ug/kg	57.4	18.6	1	12/15/20 08:00	12/15/20 15:20	95-49-8	
4-Chlorotoluene	<21.8	ug/kg	57.4	21.8	1	12/15/20 08:00	12/15/20 15:20	106-43-4	
Benzene	<13.7	ug/kg	23.0	13.7	1	12/15/20 08:00	12/15/20 15:20	71-43-2	
Bromobenzene	<22.4	ug/kg	57.4	22.4	1	12/15/20 08:00	12/15/20 15:20	108-86-1	
Bromochloromethane	<15.7	ug/kg	57.4	15.7	1	12/15/20 08:00	12/15/20 15:20	74-97-5	
Bromodichloromethane	<13.7	ug/kg	57.4	13.7	1	12/15/20 08:00	12/15/20 15:20	75-27-4	
Bromoform	<253	ug/kg	287	253	1	12/15/20 08:00	12/15/20 15:20	75-25-2	
Bromomethane	<80.5	ug/kg	287	80.5	1	12/15/20 08:00	12/15/20 15:20	74-83-9	
Carbon tetrachloride	<12.6	ug/kg	57.4	12.6	1	12/15/20 08:00	12/15/20 15:20	56-23-5	
Chlorobenzene	<6.9	ug/kg	57.4	6.9	1	12/15/20 08:00	12/15/20 15:20	108-90-7	
Chloroethane	<24.2	ug/kg	287	24.2	1	12/15/20 08:00	12/15/20 15:20	75-00-3	
Chloroform	<41.1	ug/kg	287	41.1	1	12/15/20 08:00	12/15/20 15:20	67-66-3	
Chloromethane	<21.8	ug/kg	57.4	21.8	1	12/15/20 08:00	12/15/20 15:20	74-87-3	
Dibromochloromethane	<196	ug/kg	287	196	1	12/15/20 08:00	12/15/20 15:20	124-48-1	
Dibromomethane	<17.0	ug/kg	57.4	17.0	1	12/15/20 08:00	12/15/20 15:20	74-95-3	
Dichlorodifluoromethane	<24.7	ug/kg	57.4	24.7	1	12/15/20 08:00	12/15/20 15:20	75-71-8	
Diisopropyl ether	<14.2	ug/kg	57.4	14.2	1	12/15/20 08:00	12/15/20 15:20	108-20-3	
Ethylbenzene	<13.7	ug/kg	57.4	13.7	1	12/15/20 08:00	12/15/20 15:20	100-41-4	
Hexachloro-1,3-butadiene	<114	ug/kg	287	114	1	12/15/20 08:00	12/15/20 15:20	87-68-3	
Isopropylbenzene (Cumene)	<15.5	ug/kg	57.4	15.5	1	12/15/20 08:00	12/15/20 15:20	98-82-8	
Methyl-tert-butyl ether	<16.9	ug/kg	57.4	16.9	1	12/15/20 08:00	12/15/20 15:20	1634-04-4	
Methylene Chloride	<16.0	ug/kg	57.4	16.0	1	12/15/20 08:00	12/15/20 15:20	75-09-2	
Naphthalene	<17.9	ug/kg	287	17.9	1	12/15/20 08:00	12/15/20 15:20	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-2 2-3 **Lab ID: 40219775001** Collected: 12/11/20 09:00 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<14.7	ug/kg	57.4	14.7	1	12/15/20 08:00	12/15/20 15:20	100-42-5	
Tetrachloroethene	270	ug/kg	57.4	22.3	1	12/15/20 08:00	12/15/20 15:20	127-18-4	
Toluene	<14.5	ug/kg	57.4	14.5	1	12/15/20 08:00	12/15/20 15:20	108-88-3	
Trichloroethene	<21.5	ug/kg	57.4	21.5	1	12/15/20 08:00	12/15/20 15:20	79-01-6	
Trichlorofluoromethane	<16.6	ug/kg	57.4	16.6	1	12/15/20 08:00	12/15/20 15:20	75-69-4	
Vinyl chloride	<11.6	ug/kg	57.4	11.6	1	12/15/20 08:00	12/15/20 15:20	75-01-4	
Xylene (Total)	<41.5	ug/kg	172	41.5	1	12/15/20 08:00	12/15/20 15:20	1330-20-7	
cis-1,2-Dichloroethene	<12.3	ug/kg	57.4	12.3	1	12/15/20 08:00	12/15/20 15:20	156-59-2	
cis-1,3-Dichloropropene	<37.9	ug/kg	287	37.9	1	12/15/20 08:00	12/15/20 15:20	10061-01-5	
n-Butylbenzene	<26.3	ug/kg	57.4	26.3	1	12/15/20 08:00	12/15/20 15:20	104-51-8	
n-Propylbenzene	<13.8	ug/kg	57.4	13.8	1	12/15/20 08:00	12/15/20 15:20	103-65-1	
p-Isopropyltoluene	<17.5	ug/kg	57.4	17.5	1	12/15/20 08:00	12/15/20 15:20	99-87-6	
sec-Butylbenzene	<14.0	ug/kg	57.4	14.0	1	12/15/20 08:00	12/15/20 15:20	135-98-8	
tert-Butylbenzene	<18.0	ug/kg	57.4	18.0	1	12/15/20 08:00	12/15/20 15:20	98-06-6	
trans-1,2-Dichloroethene	<12.4	ug/kg	57.4	12.4	1	12/15/20 08:00	12/15/20 15:20	156-60-5	
trans-1,3-Dichloropropene	<164	ug/kg	287	164	1	12/15/20 08:00	12/15/20 15:20	10061-02-6	
Surrogates									
Toluene-d8 (S)	92	%	56-140		1	12/15/20 08:00	12/15/20 15:20	2037-26-5	
4-Bromofluorobenzene (S)	88	%	52-137		1	12/15/20 08:00	12/15/20 15:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	94	%	50-150		1	12/15/20 08:00	12/15/20 15:20	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.9	%	0.10	0.10	1		12/15/20 08:49		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-2 6-7 **Lab ID: 40219775002** Collected: 12/11/20 09:05 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.0	ug/kg	54.2	13.0	1	12/15/20 08:00	12/15/20 15:39	630-20-6	
1,1,1-Trichloroethane	<13.9	ug/kg	54.2	13.9	1	12/15/20 08:00	12/15/20 15:39	71-55-6	
1,1,2,2-Tetrachloroethane	<19.6	ug/kg	54.2	19.6	1	12/15/20 08:00	12/15/20 15:39	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/kg	54.2	19.7	1	12/15/20 08:00	12/15/20 15:39	79-00-5	
1,1-Dichloroethane	<13.9	ug/kg	54.2	13.9	1	12/15/20 08:00	12/15/20 15:39	75-34-3	
1,1-Dichloroethene	<18.0	ug/kg	54.2	18.0	1	12/15/20 08:00	12/15/20 15:39	75-35-4	
1,1-Dichloropropene	<17.6	ug/kg	54.2	17.6	1	12/15/20 08:00	12/15/20 15:39	563-58-6	
1,2,3-Trichlorobenzene	<60.4	ug/kg	271	60.4	1	12/15/20 08:00	12/15/20 15:39	87-61-6	
1,2,3-Trichloropropane	<26.3	ug/kg	54.2	26.3	1	12/15/20 08:00	12/15/20 15:39	96-18-4	
1,2,4-Trichlorobenzene	<44.7	ug/kg	271	44.7	1	12/15/20 08:00	12/15/20 15:39	120-82-1	
1,2,4-Trimethylbenzene	<16.2	ug/kg	54.2	16.2	1	12/15/20 08:00	12/15/20 15:39	95-63-6	
1,2-Dibromo-3-chloropropane	<42.1	ug/kg	271	42.1	1	12/15/20 08:00	12/15/20 15:39	96-12-8	
1,2-Dibromoethane (EDB)	<14.9	ug/kg	54.2	14.9	1	12/15/20 08:00	12/15/20 15:39	106-93-4	
1,2-Dichlorobenzene	<16.8	ug/kg	54.2	16.8	1	12/15/20 08:00	12/15/20 15:39	95-50-1	
1,2-Dichloroethane	<12.5	ug/kg	54.2	12.5	1	12/15/20 08:00	12/15/20 15:39	107-06-2	
1,2-Dichloropropane	<12.9	ug/kg	54.2	12.9	1	12/15/20 08:00	12/15/20 15:39	78-87-5	
1,3,5-Trimethylbenzene	<17.5	ug/kg	54.2	17.5	1	12/15/20 08:00	12/15/20 15:39	108-67-8	
1,3-Dichlorobenzene	<14.9	ug/kg	54.2	14.9	1	12/15/20 08:00	12/15/20 15:39	541-73-1	
1,3-Dichloropropane	<11.8	ug/kg	54.2	11.8	1	12/15/20 08:00	12/15/20 15:39	142-28-9	
1,4-Dichlorobenzene	<14.9	ug/kg	54.2	14.9	1	12/15/20 08:00	12/15/20 15:39	106-46-7	
2,2-Dichloropropane	<14.6	ug/kg	54.2	14.6	1	12/15/20 08:00	12/15/20 15:39	594-20-7	
2-Chlorotoluene	<17.6	ug/kg	54.2	17.6	1	12/15/20 08:00	12/15/20 15:39	95-49-8	
4-Chlorotoluene	<20.6	ug/kg	54.2	20.6	1	12/15/20 08:00	12/15/20 15:39	106-43-4	
Benzene	<12.9	ug/kg	21.7	12.9	1	12/15/20 08:00	12/15/20 15:39	71-43-2	
Bromobenzene	<21.1	ug/kg	54.2	21.1	1	12/15/20 08:00	12/15/20 15:39	108-86-1	
Bromochloromethane	<14.9	ug/kg	54.2	14.9	1	12/15/20 08:00	12/15/20 15:39	74-97-5	
Bromodichloromethane	<12.9	ug/kg	54.2	12.9	1	12/15/20 08:00	12/15/20 15:39	75-27-4	
Bromoform	<238	ug/kg	271	238	1	12/15/20 08:00	12/15/20 15:39	75-25-2	
Bromomethane	<76.0	ug/kg	271	76.0	1	12/15/20 08:00	12/15/20 15:39	74-83-9	
Carbon tetrachloride	<11.9	ug/kg	54.2	11.9	1	12/15/20 08:00	12/15/20 15:39	56-23-5	
Chlorobenzene	<6.5	ug/kg	54.2	6.5	1	12/15/20 08:00	12/15/20 15:39	108-90-7	
Chloroethane	<22.9	ug/kg	271	22.9	1	12/15/20 08:00	12/15/20 15:39	75-00-3	
Chloroform	<38.8	ug/kg	271	38.8	1	12/15/20 08:00	12/15/20 15:39	67-66-3	
Chloromethane	<20.6	ug/kg	54.2	20.6	1	12/15/20 08:00	12/15/20 15:39	74-87-3	
Dibromochloromethane	<185	ug/kg	271	185	1	12/15/20 08:00	12/15/20 15:39	124-48-1	
Dibromomethane	<16.0	ug/kg	54.2	16.0	1	12/15/20 08:00	12/15/20 15:39	74-95-3	
Dichlorodifluoromethane	<23.3	ug/kg	54.2	23.3	1	12/15/20 08:00	12/15/20 15:39	75-71-8	
Diisopropyl ether	<13.4	ug/kg	54.2	13.4	1	12/15/20 08:00	12/15/20 15:39	108-20-3	
Ethylbenzene	<12.9	ug/kg	54.2	12.9	1	12/15/20 08:00	12/15/20 15:39	100-41-4	
Hexachloro-1,3-butadiene	<108	ug/kg	271	108	1	12/15/20 08:00	12/15/20 15:39	87-68-3	
Isopropylbenzene (Cumene)	<14.6	ug/kg	54.2	14.6	1	12/15/20 08:00	12/15/20 15:39	98-82-8	
Methyl-tert-butyl ether	<15.9	ug/kg	54.2	15.9	1	12/15/20 08:00	12/15/20 15:39	1634-04-4	
Methylene Chloride	<15.1	ug/kg	54.2	15.1	1	12/15/20 08:00	12/15/20 15:39	75-09-2	
Naphthalene	<16.9	ug/kg	271	16.9	1	12/15/20 08:00	12/15/20 15:39	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-2 6-7 **Lab ID: 40219775002** Collected: 12/11/20 09:05 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.9	ug/kg	54.2	13.9	1	12/15/20 08:00	12/15/20 15:39	100-42-5	
Tetrachloroethene	126	ug/kg	54.2	21.0	1	12/15/20 08:00	12/15/20 15:39	127-18-4	
Toluene	<13.7	ug/kg	54.2	13.7	1	12/15/20 08:00	12/15/20 15:39	108-88-3	
Trichloroethene	<20.3	ug/kg	54.2	20.3	1	12/15/20 08:00	12/15/20 15:39	79-01-6	
Trichlorofluoromethane	<15.7	ug/kg	54.2	15.7	1	12/15/20 08:00	12/15/20 15:39	75-69-4	
Vinyl chloride	<10.9	ug/kg	54.2	10.9	1	12/15/20 08:00	12/15/20 15:39	75-01-4	
Xylene (Total)	<39.1	ug/kg	163	39.1	1	12/15/20 08:00	12/15/20 15:39	1330-20-7	
cis-1,2-Dichloroethene	<11.6	ug/kg	54.2	11.6	1	12/15/20 08:00	12/15/20 15:39	156-59-2	
cis-1,3-Dichloropropene	<35.8	ug/kg	271	35.8	1	12/15/20 08:00	12/15/20 15:39	10061-01-5	
n-Butylbenzene	<24.8	ug/kg	54.2	24.8	1	12/15/20 08:00	12/15/20 15:39	104-51-8	
n-Propylbenzene	<13.0	ug/kg	54.2	13.0	1	12/15/20 08:00	12/15/20 15:39	103-65-1	
p-Isopropyltoluene	<16.5	ug/kg	54.2	16.5	1	12/15/20 08:00	12/15/20 15:39	99-87-6	
sec-Butylbenzene	<13.2	ug/kg	54.2	13.2	1	12/15/20 08:00	12/15/20 15:39	135-98-8	
tert-Butylbenzene	<17.0	ug/kg	54.2	17.0	1	12/15/20 08:00	12/15/20 15:39	98-06-6	
trans-1,2-Dichloroethene	<11.7	ug/kg	54.2	11.7	1	12/15/20 08:00	12/15/20 15:39	156-60-5	
trans-1,3-Dichloropropene	<155	ug/kg	271	155	1	12/15/20 08:00	12/15/20 15:39	10061-02-6	
Surrogates									
Toluene-d8 (S)	104	%	56-140		1	12/15/20 08:00	12/15/20 15:39	2037-26-5	
4-Bromofluorobenzene (S)	105	%	52-137		1	12/15/20 08:00	12/15/20 15:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	50-150		1	12/15/20 08:00	12/15/20 15:39	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.8	%	0.10	0.10	1		12/15/20 08:49		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-1 2-3 **Lab ID: 40219775003** Collected: 12/11/20 09:15 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<12.8	ug/kg	53.3	12.8	1	12/15/20 08:00	12/15/20 15:59	630-20-6	
1,1,1-Trichloroethane	<13.6	ug/kg	53.3	13.6	1	12/15/20 08:00	12/15/20 15:59	71-55-6	
1,1,2,2-Tetrachloroethane	<19.3	ug/kg	53.3	19.3	1	12/15/20 08:00	12/15/20 15:59	79-34-5	
1,1,2-Trichloroethane	<19.4	ug/kg	53.3	19.4	1	12/15/20 08:00	12/15/20 15:59	79-00-5	
1,1-Dichloroethane	<13.6	ug/kg	53.3	13.6	1	12/15/20 08:00	12/15/20 15:59	75-34-3	
1,1-Dichloroethene	<17.7	ug/kg	53.3	17.7	1	12/15/20 08:00	12/15/20 15:59	75-35-4	
1,1-Dichloropropene	<17.3	ug/kg	53.3	17.3	1	12/15/20 08:00	12/15/20 15:59	563-58-6	
1,2,3-Trichlorobenzene	<59.3	ug/kg	266	59.3	1	12/15/20 08:00	12/15/20 15:59	87-61-6	
1,2,3-Trichloropropane	<25.9	ug/kg	53.3	25.9	1	12/15/20 08:00	12/15/20 15:59	96-18-4	
1,2,4-Trichlorobenzene	<43.9	ug/kg	266	43.9	1	12/15/20 08:00	12/15/20 15:59	120-82-1	
1,2,4-Trimethylbenzene	<15.9	ug/kg	53.3	15.9	1	12/15/20 08:00	12/15/20 15:59	95-63-6	
1,2-Dibromo-3-chloropropane	<41.3	ug/kg	266	41.3	1	12/15/20 08:00	12/15/20 15:59	96-12-8	
1,2-Dibromoethane (EDB)	<14.6	ug/kg	53.3	14.6	1	12/15/20 08:00	12/15/20 15:59	106-93-4	
1,2-Dichlorobenzene	<16.5	ug/kg	53.3	16.5	1	12/15/20 08:00	12/15/20 15:59	95-50-1	
1,2-Dichloroethane	<12.2	ug/kg	53.3	12.2	1	12/15/20 08:00	12/15/20 15:59	107-06-2	
1,2-Dichloropropane	<12.7	ug/kg	53.3	12.7	1	12/15/20 08:00	12/15/20 15:59	78-87-5	
1,3,5-Trimethylbenzene	<17.1	ug/kg	53.3	17.1	1	12/15/20 08:00	12/15/20 15:59	108-67-8	
1,3-Dichlorobenzene	<14.6	ug/kg	53.3	14.6	1	12/15/20 08:00	12/15/20 15:59	541-73-1	
1,3-Dichloropropane	<11.6	ug/kg	53.3	11.6	1	12/15/20 08:00	12/15/20 15:59	142-28-9	
1,4-Dichlorobenzene	<14.6	ug/kg	53.3	14.6	1	12/15/20 08:00	12/15/20 15:59	106-46-7	
2,2-Dichloropropane	<14.4	ug/kg	53.3	14.4	1	12/15/20 08:00	12/15/20 15:59	594-20-7	
2-Chlorotoluene	<17.3	ug/kg	53.3	17.3	1	12/15/20 08:00	12/15/20 15:59	95-49-8	
4-Chlorotoluene	<20.2	ug/kg	53.3	20.2	1	12/15/20 08:00	12/15/20 15:59	106-43-4	
Benzene	<12.7	ug/kg	21.3	12.7	1	12/15/20 08:00	12/15/20 15:59	71-43-2	
Bromobenzene	<20.8	ug/kg	53.3	20.8	1	12/15/20 08:00	12/15/20 15:59	108-86-1	
Bromochloromethane	<14.6	ug/kg	53.3	14.6	1	12/15/20 08:00	12/15/20 15:59	74-97-5	
Bromodichloromethane	<12.7	ug/kg	53.3	12.7	1	12/15/20 08:00	12/15/20 15:59	75-27-4	
Bromoform	<234	ug/kg	266	234	1	12/15/20 08:00	12/15/20 15:59	75-25-2	
Bromomethane	<74.7	ug/kg	266	74.7	1	12/15/20 08:00	12/15/20 15:59	74-83-9	
Carbon tetrachloride	<11.7	ug/kg	53.3	11.7	1	12/15/20 08:00	12/15/20 15:59	56-23-5	
Chlorobenzene	<6.4	ug/kg	53.3	6.4	1	12/15/20 08:00	12/15/20 15:59	108-90-7	
Chloroethane	<22.5	ug/kg	266	22.5	1	12/15/20 08:00	12/15/20 15:59	75-00-3	
Chloroform	<38.1	ug/kg	266	38.1	1	12/15/20 08:00	12/15/20 15:59	67-66-3	
Chloromethane	<20.2	ug/kg	53.3	20.2	1	12/15/20 08:00	12/15/20 15:59	74-87-3	
Dibromochloromethane	<182	ug/kg	266	182	1	12/15/20 08:00	12/15/20 15:59	124-48-1	
Dibromomethane	<15.8	ug/kg	53.3	15.8	1	12/15/20 08:00	12/15/20 15:59	74-95-3	
Dichlorodifluoromethane	<22.9	ug/kg	53.3	22.9	1	12/15/20 08:00	12/15/20 15:59	75-71-8	
Diisopropyl ether	<13.2	ug/kg	53.3	13.2	1	12/15/20 08:00	12/15/20 15:59	108-20-3	
Ethylbenzene	<12.7	ug/kg	53.3	12.7	1	12/15/20 08:00	12/15/20 15:59	100-41-4	
Hexachloro-1,3-butadiene	<106	ug/kg	266	106	1	12/15/20 08:00	12/15/20 15:59	87-68-3	
Isopropylbenzene (Cumene)	<14.4	ug/kg	53.3	14.4	1	12/15/20 08:00	12/15/20 15:59	98-82-8	
Methyl-tert-butyl ether	<15.7	ug/kg	53.3	15.7	1	12/15/20 08:00	12/15/20 15:59	1634-04-4	
Methylene Chloride	<14.8	ug/kg	53.3	14.8	1	12/15/20 08:00	12/15/20 15:59	75-09-2	
Naphthalene	<16.6	ug/kg	266	16.6	1	12/15/20 08:00	12/15/20 15:59	91-20-3	

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-1 2-3 **Lab ID: 40219775003** Collected: 12/11/20 09:15 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.6	ug/kg	53.3	13.6	1	12/15/20 08:00	12/15/20 15:59	100-42-5	
Tetrachloroethene	127	ug/kg	53.3	20.7	1	12/15/20 08:00	12/15/20 15:59	127-18-4	
Toluene	<13.4	ug/kg	53.3	13.4	1	12/15/20 08:00	12/15/20 15:59	108-88-3	
Trichloroethene	<19.9	ug/kg	53.3	19.9	1	12/15/20 08:00	12/15/20 15:59	79-01-6	
Trichlorofluoromethane	<15.4	ug/kg	53.3	15.4	1	12/15/20 08:00	12/15/20 15:59	75-69-4	
Vinyl chloride	<10.8	ug/kg	53.3	10.8	1	12/15/20 08:00	12/15/20 15:59	75-01-4	
Xylene (Total)	<38.5	ug/kg	160	38.5	1	12/15/20 08:00	12/15/20 15:59	1330-20-7	
cis-1,2-Dichloroethene	<11.4	ug/kg	53.3	11.4	1	12/15/20 08:00	12/15/20 15:59	156-59-2	
cis-1,3-Dichloropropene	<35.2	ug/kg	266	35.2	1	12/15/20 08:00	12/15/20 15:59	10061-01-5	
n-Butylbenzene	<24.4	ug/kg	53.3	24.4	1	12/15/20 08:00	12/15/20 15:59	104-51-8	
n-Propylbenzene	<12.8	ug/kg	53.3	12.8	1	12/15/20 08:00	12/15/20 15:59	103-65-1	
p-Isopropyltoluene	<16.2	ug/kg	53.3	16.2	1	12/15/20 08:00	12/15/20 15:59	99-87-6	
sec-Butylbenzene	<13.0	ug/kg	53.3	13.0	1	12/15/20 08:00	12/15/20 15:59	135-98-8	
tert-Butylbenzene	<16.7	ug/kg	53.3	16.7	1	12/15/20 08:00	12/15/20 15:59	98-06-6	
trans-1,2-Dichloroethene	<11.5	ug/kg	53.3	11.5	1	12/15/20 08:00	12/15/20 15:59	156-60-5	
trans-1,3-Dichloropropene	<152	ug/kg	266	152	1	12/15/20 08:00	12/15/20 15:59	10061-02-6	
Surrogates									
Toluene-d8 (S)	93	%	56-140		1	12/15/20 08:00	12/15/20 15:59	2037-26-5	
4-Bromofluorobenzene (S)	92	%	52-137		1	12/15/20 08:00	12/15/20 15:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	50-150		1	12/15/20 08:00	12/15/20 15:59	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.1	%	0.10	0.10	1		12/15/20 08:49		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-1 6-7 **Lab ID: 40219775004** Collected: 12/11/20 09:20 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.0	ug/kg	54.1	13.0	1	12/15/20 08:00	12/15/20 16:18	630-20-6	
1,1,1-Trichloroethane	<13.9	ug/kg	54.1	13.9	1	12/15/20 08:00	12/15/20 16:18	71-55-6	
1,1,2,2-Tetrachloroethane	<19.6	ug/kg	54.1	19.6	1	12/15/20 08:00	12/15/20 16:18	79-34-5	
1,1,2-Trichloroethane	<19.7	ug/kg	54.1	19.7	1	12/15/20 08:00	12/15/20 16:18	79-00-5	
1,1-Dichloroethane	<13.9	ug/kg	54.1	13.9	1	12/15/20 08:00	12/15/20 16:18	75-34-3	
1,1-Dichloroethene	<18.0	ug/kg	54.1	18.0	1	12/15/20 08:00	12/15/20 16:18	75-35-4	
1,1-Dichloropropene	<17.5	ug/kg	54.1	17.5	1	12/15/20 08:00	12/15/20 16:18	563-58-6	
1,2,3-Trichlorobenzene	<60.3	ug/kg	271	60.3	1	12/15/20 08:00	12/15/20 16:18	87-61-6	
1,2,3-Trichloropropane	<26.3	ug/kg	54.1	26.3	1	12/15/20 08:00	12/15/20 16:18	96-18-4	
1,2,4-Trichlorobenzene	<44.6	ug/kg	271	44.6	1	12/15/20 08:00	12/15/20 16:18	120-82-1	
1,2,4-Trimethylbenzene	<16.1	ug/kg	54.1	16.1	1	12/15/20 08:00	12/15/20 16:18	95-63-6	
1,2-Dibromo-3-chloropropane	<42.0	ug/kg	271	42.0	1	12/15/20 08:00	12/15/20 16:18	96-12-8	
1,2-Dibromoethane (EDB)	<14.8	ug/kg	54.1	14.8	1	12/15/20 08:00	12/15/20 16:18	106-93-4	
1,2-Dichlorobenzene	<16.8	ug/kg	54.1	16.8	1	12/15/20 08:00	12/15/20 16:18	95-50-1	
1,2-Dichloroethane	<12.4	ug/kg	54.1	12.4	1	12/15/20 08:00	12/15/20 16:18	107-06-2	
1,2-Dichloropropane	<12.9	ug/kg	54.1	12.9	1	12/15/20 08:00	12/15/20 16:18	78-87-5	
1,3,5-Trimethylbenzene	<17.4	ug/kg	54.1	17.4	1	12/15/20 08:00	12/15/20 16:18	108-67-8	
1,3-Dichlorobenzene	<14.8	ug/kg	54.1	14.8	1	12/15/20 08:00	12/15/20 16:18	541-73-1	
1,3-Dichloropropane	<11.8	ug/kg	54.1	11.8	1	12/15/20 08:00	12/15/20 16:18	142-28-9	
1,4-Dichlorobenzene	<14.8	ug/kg	54.1	14.8	1	12/15/20 08:00	12/15/20 16:18	106-46-7	
2,2-Dichloropropane	<14.6	ug/kg	54.1	14.6	1	12/15/20 08:00	12/15/20 16:18	594-20-7	
2-Chlorotoluene	<17.5	ug/kg	54.1	17.5	1	12/15/20 08:00	12/15/20 16:18	95-49-8	
4-Chlorotoluene	<20.6	ug/kg	54.1	20.6	1	12/15/20 08:00	12/15/20 16:18	106-43-4	
Benzene	<12.9	ug/kg	21.6	12.9	1	12/15/20 08:00	12/15/20 16:18	71-43-2	
Bromobenzene	<21.1	ug/kg	54.1	21.1	1	12/15/20 08:00	12/15/20 16:18	108-86-1	
Bromochloromethane	<14.8	ug/kg	54.1	14.8	1	12/15/20 08:00	12/15/20 16:18	74-97-5	
Bromodichloromethane	<12.9	ug/kg	54.1	12.9	1	12/15/20 08:00	12/15/20 16:18	75-27-4	
Bromoform	<238	ug/kg	271	238	1	12/15/20 08:00	12/15/20 16:18	75-25-2	
Bromomethane	<75.9	ug/kg	271	75.9	1	12/15/20 08:00	12/15/20 16:18	74-83-9	
Carbon tetrachloride	<11.9	ug/kg	54.1	11.9	1	12/15/20 08:00	12/15/20 16:18	56-23-5	
Chlorobenzene	<6.5	ug/kg	54.1	6.5	1	12/15/20 08:00	12/15/20 16:18	108-90-7	
Chloroethane	<22.8	ug/kg	271	22.8	1	12/15/20 08:00	12/15/20 16:18	75-00-3	
Chloroform	<38.7	ug/kg	271	38.7	1	12/15/20 08:00	12/15/20 16:18	67-66-3	
Chloromethane	<20.6	ug/kg	54.1	20.6	1	12/15/20 08:00	12/15/20 16:18	74-87-3	
Dibromochloromethane	<185	ug/kg	271	185	1	12/15/20 08:00	12/15/20 16:18	124-48-1	
Dibromomethane	<16.0	ug/kg	54.1	16.0	1	12/15/20 08:00	12/15/20 16:18	74-95-3	
Dichlorodifluoromethane	<23.3	ug/kg	54.1	23.3	1	12/15/20 08:00	12/15/20 16:18	75-71-8	
Diisopropyl ether	<13.4	ug/kg	54.1	13.4	1	12/15/20 08:00	12/15/20 16:18	108-20-3	
Ethylbenzene	<12.9	ug/kg	54.1	12.9	1	12/15/20 08:00	12/15/20 16:18	100-41-4	
Hexachloro-1,3-butadiene	<108	ug/kg	271	108	1	12/15/20 08:00	12/15/20 16:18	87-68-3	
Isopropylbenzene (Cumene)	<14.6	ug/kg	54.1	14.6	1	12/15/20 08:00	12/15/20 16:18	98-82-8	
Methyl-tert-butyl ether	<15.9	ug/kg	54.1	15.9	1	12/15/20 08:00	12/15/20 16:18	1634-04-4	
Methylene Chloride	<15.0	ug/kg	54.1	15.0	1	12/15/20 08:00	12/15/20 16:18	75-09-2	
Naphthalene	<16.9	ug/kg	271	16.9	1	12/15/20 08:00	12/15/20 16:18	91-20-3	

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-1 6-7 **Lab ID: 40219775004** Collected: 12/11/20 09:20 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.9	ug/kg	54.1	13.9	1	12/15/20 08:00	12/15/20 16:18	100-42-5	
Tetrachloroethene	176	ug/kg	54.1	21.0	1	12/15/20 08:00	12/15/20 16:18	127-18-4	
Toluene	<13.6	ug/kg	54.1	13.6	1	12/15/20 08:00	12/15/20 16:18	108-88-3	
Trichloroethene	<20.2	ug/kg	54.1	20.2	1	12/15/20 08:00	12/15/20 16:18	79-01-6	
Trichlorofluoromethane	<15.7	ug/kg	54.1	15.7	1	12/15/20 08:00	12/15/20 16:18	75-69-4	
Vinyl chloride	<10.9	ug/kg	54.1	10.9	1	12/15/20 08:00	12/15/20 16:18	75-01-4	
Xylene (Total)	<39.1	ug/kg	162	39.1	1	12/15/20 08:00	12/15/20 16:18	1330-20-7	
cis-1,2-Dichloroethene	<11.6	ug/kg	54.1	11.6	1	12/15/20 08:00	12/15/20 16:18	156-59-2	
cis-1,3-Dichloropropene	<35.7	ug/kg	271	35.7	1	12/15/20 08:00	12/15/20 16:18	10061-01-5	
n-Butylbenzene	<24.8	ug/kg	54.1	24.8	1	12/15/20 08:00	12/15/20 16:18	104-51-8	
n-Propylbenzene	<13.0	ug/kg	54.1	13.0	1	12/15/20 08:00	12/15/20 16:18	103-65-1	
p-Isopropyltoluene	<16.4	ug/kg	54.1	16.4	1	12/15/20 08:00	12/15/20 16:18	99-87-6	
sec-Butylbenzene	<13.2	ug/kg	54.1	13.2	1	12/15/20 08:00	12/15/20 16:18	135-98-8	
tert-Butylbenzene	<17.0	ug/kg	54.1	17.0	1	12/15/20 08:00	12/15/20 16:18	98-06-6	
trans-1,2-Dichloroethene	<11.7	ug/kg	54.1	11.7	1	12/15/20 08:00	12/15/20 16:18	156-60-5	
trans-1,3-Dichloropropene	<155	ug/kg	271	155	1	12/15/20 08:00	12/15/20 16:18	10061-02-6	
Surrogates									
Toluene-d8 (S)	102	%	56-140		1	12/15/20 08:00	12/15/20 16:18	2037-26-5	
4-Bromofluorobenzene (S)	98	%	52-137		1	12/15/20 08:00	12/15/20 16:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	50-150		1	12/15/20 08:00	12/15/20 16:18	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.6	%	0.10	0.10	1		12/15/20 08:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-3 3-4 **Lab ID: 40219775005** Collected: 12/11/20 10:15 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<15.4	ug/kg	64.0	15.4	1	12/15/20 08:00	12/15/20 16:38	630-20-6	
1,1,1-Trichloroethane	<16.4	ug/kg	64.0	16.4	1	12/15/20 08:00	12/15/20 16:38	71-55-6	
1,1,2,2-Tetrachloroethane	<23.2	ug/kg	64.0	23.2	1	12/15/20 08:00	12/15/20 16:38	79-34-5	
1,1,2-Trichloroethane	<23.3	ug/kg	64.0	23.3	1	12/15/20 08:00	12/15/20 16:38	79-00-5	
1,1-Dichloroethane	<16.4	ug/kg	64.0	16.4	1	12/15/20 08:00	12/15/20 16:38	75-34-3	
1,1-Dichloroethene	<21.3	ug/kg	64.0	21.3	1	12/15/20 08:00	12/15/20 16:38	75-35-4	
1,1-Dichloropropene	<20.7	ug/kg	64.0	20.7	1	12/15/20 08:00	12/15/20 16:38	563-58-6	
1,2,3-Trichlorobenzene	<71.3	ug/kg	320	71.3	1	12/15/20 08:00	12/15/20 16:38	87-61-6	
1,2,3-Trichloropropane	<31.1	ug/kg	64.0	31.1	1	12/15/20 08:00	12/15/20 16:38	96-18-4	
1,2,4-Trichlorobenzene	<52.8	ug/kg	320	52.8	1	12/15/20 08:00	12/15/20 16:38	120-82-1	
1,2,4-Trimethylbenzene	<19.1	ug/kg	64.0	19.1	1	12/15/20 08:00	12/15/20 16:38	95-63-6	
1,2-Dibromo-3-chloropropane	<49.7	ug/kg	320	49.7	1	12/15/20 08:00	12/15/20 16:38	96-12-8	
1,2-Dibromoethane (EDB)	<17.5	ug/kg	64.0	17.5	1	12/15/20 08:00	12/15/20 16:38	106-93-4	
1,2-Dichlorobenzene	<19.9	ug/kg	64.0	19.9	1	12/15/20 08:00	12/15/20 16:38	95-50-1	
1,2-Dichloroethane	<14.7	ug/kg	64.0	14.7	1	12/15/20 08:00	12/15/20 16:38	107-06-2	
1,2-Dichloropropane	<15.2	ug/kg	64.0	15.2	1	12/15/20 08:00	12/15/20 16:38	78-87-5	
1,3,5-Trimethylbenzene	<20.6	ug/kg	64.0	20.6	1	12/15/20 08:00	12/15/20 16:38	108-67-8	
1,3-Dichlorobenzene	<17.5	ug/kg	64.0	17.5	1	12/15/20 08:00	12/15/20 16:38	541-73-1	
1,3-Dichloropropane	<14.0	ug/kg	64.0	14.0	1	12/15/20 08:00	12/15/20 16:38	142-28-9	
1,4-Dichlorobenzene	<17.5	ug/kg	64.0	17.5	1	12/15/20 08:00	12/15/20 16:38	106-46-7	
2,2-Dichloropropane	<17.3	ug/kg	64.0	17.3	1	12/15/20 08:00	12/15/20 16:38	594-20-7	
2-Chlorotoluene	<20.7	ug/kg	64.0	20.7	1	12/15/20 08:00	12/15/20 16:38	95-49-8	
4-Chlorotoluene	<24.3	ug/kg	64.0	24.3	1	12/15/20 08:00	12/15/20 16:38	106-43-4	
Benzene	<15.2	ug/kg	25.6	15.2	1	12/15/20 08:00	12/15/20 16:38	71-43-2	
Bromobenzene	<25.0	ug/kg	64.0	25.0	1	12/15/20 08:00	12/15/20 16:38	108-86-1	
Bromochloromethane	<17.5	ug/kg	64.0	17.5	1	12/15/20 08:00	12/15/20 16:38	74-97-5	
Bromodichloromethane	<15.2	ug/kg	64.0	15.2	1	12/15/20 08:00	12/15/20 16:38	75-27-4	
Bromoform	<282	ug/kg	320	282	1	12/15/20 08:00	12/15/20 16:38	75-25-2	
Bromomethane	<89.8	ug/kg	320	89.8	1	12/15/20 08:00	12/15/20 16:38	74-83-9	
Carbon tetrachloride	<14.1	ug/kg	64.0	14.1	1	12/15/20 08:00	12/15/20 16:38	56-23-5	
Chlorobenzene	<7.7	ug/kg	64.0	7.7	1	12/15/20 08:00	12/15/20 16:38	108-90-7	
Chloroethane	<27.0	ug/kg	320	27.0	1	12/15/20 08:00	12/15/20 16:38	75-00-3	
Chloroform	<45.8	ug/kg	320	45.8	1	12/15/20 08:00	12/15/20 16:38	67-66-3	
Chloromethane	<24.3	ug/kg	64.0	24.3	1	12/15/20 08:00	12/15/20 16:38	74-87-3	
Dibromochloromethane	<219	ug/kg	320	219	1	12/15/20 08:00	12/15/20 16:38	124-48-1	
Dibromomethane	<19.0	ug/kg	64.0	19.0	1	12/15/20 08:00	12/15/20 16:38	74-95-3	
Dichlorodifluoromethane	<27.5	ug/kg	64.0	27.5	1	12/15/20 08:00	12/15/20 16:38	75-71-8	
Diisopropyl ether	<15.9	ug/kg	64.0	15.9	1	12/15/20 08:00	12/15/20 16:38	108-20-3	
Ethylbenzene	<15.2	ug/kg	64.0	15.2	1	12/15/20 08:00	12/15/20 16:38	100-41-4	
Hexachloro-1,3-butadiene	<127	ug/kg	320	127	1	12/15/20 08:00	12/15/20 16:38	87-68-3	
Isopropylbenzene (Cumene)	<17.3	ug/kg	64.0	17.3	1	12/15/20 08:00	12/15/20 16:38	98-82-8	
Methyl-tert-butyl ether	<18.8	ug/kg	64.0	18.8	1	12/15/20 08:00	12/15/20 16:38	1634-04-4	
Methylene Chloride	<17.8	ug/kg	64.0	17.8	1	12/15/20 08:00	12/15/20 16:38	75-09-2	
Naphthalene	<20.0	ug/kg	320	20.0	1	12/15/20 08:00	12/15/20 16:38	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-3 3-4 **Lab ID: 40219775005** Collected: 12/11/20 10:15 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<16.4	ug/kg	64.0	16.4	1	12/15/20 08:00	12/15/20 16:38	100-42-5	
Tetrachloroethene	<24.8	ug/kg	64.0	24.8	1	12/15/20 08:00	12/15/20 16:38	127-18-4	
Toluene	<16.1	ug/kg	64.0	16.1	1	12/15/20 08:00	12/15/20 16:38	108-88-3	
Trichloroethene	<23.9	ug/kg	64.0	23.9	1	12/15/20 08:00	12/15/20 16:38	79-01-6	
Trichlorofluoromethane	<18.6	ug/kg	64.0	18.6	1	12/15/20 08:00	12/15/20 16:38	75-69-4	
Vinyl chloride	<12.9	ug/kg	64.0	12.9	1	12/15/20 08:00	12/15/20 16:38	75-01-4	
Xylene (Total)	<46.2	ug/kg	192	46.2	1	12/15/20 08:00	12/15/20 16:38	1330-20-7	
cis-1,2-Dichloroethene	<13.7	ug/kg	64.0	13.7	1	12/15/20 08:00	12/15/20 16:38	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	320	42.3	1	12/15/20 08:00	12/15/20 16:38	10061-01-5	
n-Butylbenzene	<29.3	ug/kg	64.0	29.3	1	12/15/20 08:00	12/15/20 16:38	104-51-8	
n-Propylbenzene	<15.4	ug/kg	64.0	15.4	1	12/15/20 08:00	12/15/20 16:38	103-65-1	
p-Isopropyltoluene	<19.5	ug/kg	64.0	19.5	1	12/15/20 08:00	12/15/20 16:38	99-87-6	
sec-Butylbenzene	<15.6	ug/kg	64.0	15.6	1	12/15/20 08:00	12/15/20 16:38	135-98-8	
tert-Butylbenzene	<20.1	ug/kg	64.0	20.1	1	12/15/20 08:00	12/15/20 16:38	98-06-6	
trans-1,2-Dichloroethene	<13.8	ug/kg	64.0	13.8	1	12/15/20 08:00	12/15/20 16:38	156-60-5	
trans-1,3-Dichloropropene	<183	ug/kg	320	183	1	12/15/20 08:00	12/15/20 16:38	10061-02-6	
Surrogates									
Toluene-d8 (S)	101	%	56-140		1	12/15/20 08:00	12/15/20 16:38	2037-26-5	
4-Bromofluorobenzene (S)	98	%	52-137		1	12/15/20 08:00	12/15/20 16:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	50-150		1	12/15/20 08:00	12/15/20 16:38	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	21.9	%	0.10	0.10	1		12/15/20 08:49		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-3 7-8 **Lab ID: 40219775006** Collected: 12/11/20 10:20 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<12.9	ug/kg	53.5	12.9	1	12/15/20 08:00	12/15/20 16:57	630-20-6	
1,1,1-Trichloroethane	<13.7	ug/kg	53.5	13.7	1	12/15/20 08:00	12/15/20 16:57	71-55-6	
1,1,2,2-Tetrachloroethane	<19.4	ug/kg	53.5	19.4	1	12/15/20 08:00	12/15/20 16:57	79-34-5	
1,1,2-Trichloroethane	<19.5	ug/kg	53.5	19.5	1	12/15/20 08:00	12/15/20 16:57	79-00-5	
1,1-Dichloroethane	<13.7	ug/kg	53.5	13.7	1	12/15/20 08:00	12/15/20 16:57	75-34-3	
1,1-Dichloroethene	<17.8	ug/kg	53.5	17.8	1	12/15/20 08:00	12/15/20 16:57	75-35-4	
1,1-Dichloropropene	<17.3	ug/kg	53.5	17.3	1	12/15/20 08:00	12/15/20 16:57	563-58-6	
1,2,3-Trichlorobenzene	<59.7	ug/kg	268	59.7	1	12/15/20 08:00	12/15/20 16:57	87-61-6	
1,2,3-Trichloropropane	<26.0	ug/kg	53.5	26.0	1	12/15/20 08:00	12/15/20 16:57	96-18-4	
1,2,4-Trichlorobenzene	<44.1	ug/kg	268	44.1	1	12/15/20 08:00	12/15/20 16:57	120-82-1	
1,2,4-Trimethylbenzene	<16.0	ug/kg	53.5	16.0	1	12/15/20 08:00	12/15/20 16:57	95-63-6	
1,2-Dibromo-3-chloropropane	<41.6	ug/kg	268	41.6	1	12/15/20 08:00	12/15/20 16:57	96-12-8	
1,2-Dibromoethane (EDB)	<14.7	ug/kg	53.5	14.7	1	12/15/20 08:00	12/15/20 16:57	106-93-4	
1,2-Dichlorobenzene	<16.6	ug/kg	53.5	16.6	1	12/15/20 08:00	12/15/20 16:57	95-50-1	
1,2-Dichloroethane	<12.3	ug/kg	53.5	12.3	1	12/15/20 08:00	12/15/20 16:57	107-06-2	
1,2-Dichloropropane	<12.7	ug/kg	53.5	12.7	1	12/15/20 08:00	12/15/20 16:57	78-87-5	
1,3,5-Trimethylbenzene	<17.2	ug/kg	53.5	17.2	1	12/15/20 08:00	12/15/20 16:57	108-67-8	
1,3-Dichlorobenzene	<14.7	ug/kg	53.5	14.7	1	12/15/20 08:00	12/15/20 16:57	541-73-1	
1,3-Dichloropropane	<11.7	ug/kg	53.5	11.7	1	12/15/20 08:00	12/15/20 16:57	142-28-9	
1,4-Dichlorobenzene	<14.7	ug/kg	53.5	14.7	1	12/15/20 08:00	12/15/20 16:57	106-46-7	
2,2-Dichloropropane	<14.5	ug/kg	53.5	14.5	1	12/15/20 08:00	12/15/20 16:57	594-20-7	
2-Chlorotoluene	<17.3	ug/kg	53.5	17.3	1	12/15/20 08:00	12/15/20 16:57	95-49-8	
4-Chlorotoluene	<20.3	ug/kg	53.5	20.3	1	12/15/20 08:00	12/15/20 16:57	106-43-4	
Benzene	<12.7	ug/kg	21.4	12.7	1	12/15/20 08:00	12/15/20 16:57	71-43-2	
Bromobenzene	<20.9	ug/kg	53.5	20.9	1	12/15/20 08:00	12/15/20 16:57	108-86-1	
Bromochloromethane	<14.7	ug/kg	53.5	14.7	1	12/15/20 08:00	12/15/20 16:57	74-97-5	
Bromodichloromethane	<12.7	ug/kg	53.5	12.7	1	12/15/20 08:00	12/15/20 16:57	75-27-4	
Bromoform	<236	ug/kg	268	236	1	12/15/20 08:00	12/15/20 16:57	75-25-2	
Bromomethane	<75.1	ug/kg	268	75.1	1	12/15/20 08:00	12/15/20 16:57	74-83-9	
Carbon tetrachloride	<11.8	ug/kg	53.5	11.8	1	12/15/20 08:00	12/15/20 16:57	56-23-5	
Chlorobenzene	<6.4	ug/kg	53.5	6.4	1	12/15/20 08:00	12/15/20 16:57	108-90-7	
Chloroethane	<22.6	ug/kg	268	22.6	1	12/15/20 08:00	12/15/20 16:57	75-00-3	
Chloroform	<38.3	ug/kg	268	38.3	1	12/15/20 08:00	12/15/20 16:57	67-66-3	
Chloromethane	<20.3	ug/kg	53.5	20.3	1	12/15/20 08:00	12/15/20 16:57	74-87-3	
Dibromochloromethane	<183	ug/kg	268	183	1	12/15/20 08:00	12/15/20 16:57	124-48-1	
Dibromomethane	<15.9	ug/kg	53.5	15.9	1	12/15/20 08:00	12/15/20 16:57	74-95-3	
Dichlorodifluoromethane	<23.0	ug/kg	53.5	23.0	1	12/15/20 08:00	12/15/20 16:57	75-71-8	
Diisopropyl ether	<13.3	ug/kg	53.5	13.3	1	12/15/20 08:00	12/15/20 16:57	108-20-3	
Ethylbenzene	<12.7	ug/kg	53.5	12.7	1	12/15/20 08:00	12/15/20 16:57	100-41-4	
Hexachloro-1,3-butadiene	<106	ug/kg	268	106	1	12/15/20 08:00	12/15/20 16:57	87-68-3	
Isopropylbenzene (Cumene)	<14.5	ug/kg	53.5	14.5	1	12/15/20 08:00	12/15/20 16:57	98-82-8	
Methyl-tert-butyl ether	<15.7	ug/kg	53.5	15.7	1	12/15/20 08:00	12/15/20 16:57	1634-04-4	
Methylene Chloride	<14.9	ug/kg	53.5	14.9	1	12/15/20 08:00	12/15/20 16:57	75-09-2	
Naphthalene	<16.7	ug/kg	268	16.7	1	12/15/20 08:00	12/15/20 16:57	91-20-3	

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-3 7-8 **Lab ID: 40219775006** Collected: 12/11/20 10:20 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.7	ug/kg	53.5	13.7	1	12/15/20 08:00	12/15/20 16:57	100-42-5	
Tetrachloroethene	<20.8	ug/kg	53.5	20.8	1	12/15/20 08:00	12/15/20 16:57	127-18-4	
Toluene	<13.5	ug/kg	53.5	13.5	1	12/15/20 08:00	12/15/20 16:57	108-88-3	
Trichloroethene	<20.0	ug/kg	53.5	20.0	1	12/15/20 08:00	12/15/20 16:57	79-01-6	
Trichlorofluoromethane	<15.5	ug/kg	53.5	15.5	1	12/15/20 08:00	12/15/20 16:57	75-69-4	
Vinyl chloride	<10.8	ug/kg	53.5	10.8	1	12/15/20 08:00	12/15/20 16:57	75-01-4	
Xylene (Total)	<38.7	ug/kg	161	38.7	1	12/15/20 08:00	12/15/20 16:57	1330-20-7	
cis-1,2-Dichloroethene	<11.5	ug/kg	53.5	11.5	1	12/15/20 08:00	12/15/20 16:57	156-59-2	
cis-1,3-Dichloropropene	<35.3	ug/kg	268	35.3	1	12/15/20 08:00	12/15/20 16:57	10061-01-5	
n-Butylbenzene	<24.5	ug/kg	53.5	24.5	1	12/15/20 08:00	12/15/20 16:57	104-51-8	
n-Propylbenzene	<12.9	ug/kg	53.5	12.9	1	12/15/20 08:00	12/15/20 16:57	103-65-1	
p-Isopropyltoluene	<16.3	ug/kg	53.5	16.3	1	12/15/20 08:00	12/15/20 16:57	99-87-6	
sec-Butylbenzene	<13.1	ug/kg	53.5	13.1	1	12/15/20 08:00	12/15/20 16:57	135-98-8	
tert-Butylbenzene	<16.8	ug/kg	53.5	16.8	1	12/15/20 08:00	12/15/20 16:57	98-06-6	
trans-1,2-Dichloroethene	<11.6	ug/kg	53.5	11.6	1	12/15/20 08:00	12/15/20 16:57	156-60-5	
trans-1,3-Dichloropropene	<153	ug/kg	268	153	1	12/15/20 08:00	12/15/20 16:57	10061-02-6	
Surrogates									
Toluene-d8 (S)	109	%	56-140		1	12/15/20 08:00	12/15/20 16:57	2037-26-5	
4-Bromofluorobenzene (S)	105	%	52-137		1	12/15/20 08:00	12/15/20 16:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	50-150		1	12/15/20 08:00	12/15/20 16:57	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.6	%	0.10	0.10	1		12/15/20 08:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-5 5-6 **Lab ID: 40219775007** Collected: 12/11/20 10:30 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<15.7	ug/kg	65.3	15.7	1	12/15/20 08:00	12/15/20 17:17	630-20-6	
1,1,1-Trichloroethane	<16.7	ug/kg	65.3	16.7	1	12/15/20 08:00	12/15/20 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	<23.6	ug/kg	65.3	23.6	1	12/15/20 08:00	12/15/20 17:17	79-34-5	
1,1,2-Trichloroethane	<23.8	ug/kg	65.3	23.8	1	12/15/20 08:00	12/15/20 17:17	79-00-5	
1,1-Dichloroethane	<16.7	ug/kg	65.3	16.7	1	12/15/20 08:00	12/15/20 17:17	75-34-3	
1,1-Dichloroethene	<21.7	ug/kg	65.3	21.7	1	12/15/20 08:00	12/15/20 17:17	75-35-4	
1,1-Dichloropropene	<21.1	ug/kg	65.3	21.1	1	12/15/20 08:00	12/15/20 17:17	563-58-6	
1,2,3-Trichlorobenzene	<72.7	ug/kg	326	72.7	1	12/15/20 08:00	12/15/20 17:17	87-61-6	
1,2,3-Trichloropropane	<31.7	ug/kg	65.3	31.7	1	12/15/20 08:00	12/15/20 17:17	96-18-4	
1,2,4-Trichlorobenzene	<53.8	ug/kg	326	53.8	1	12/15/20 08:00	12/15/20 17:17	120-82-1	
1,2,4-Trimethylbenzene	<19.4	ug/kg	65.3	19.4	1	12/15/20 08:00	12/15/20 17:17	95-63-6	
1,2-Dibromo-3-chloropropane	<50.6	ug/kg	326	50.6	1	12/15/20 08:00	12/15/20 17:17	96-12-8	
1,2-Dibromoethane (EDB)	<17.9	ug/kg	65.3	17.9	1	12/15/20 08:00	12/15/20 17:17	106-93-4	
1,2-Dichlorobenzene	<20.2	ug/kg	65.3	20.2	1	12/15/20 08:00	12/15/20 17:17	95-50-1	
1,2-Dichloroethane	<15.0	ug/kg	65.3	15.0	1	12/15/20 08:00	12/15/20 17:17	107-06-2	
1,2-Dichloropropane	<15.5	ug/kg	65.3	15.5	1	12/15/20 08:00	12/15/20 17:17	78-87-5	
1,3,5-Trimethylbenzene	<21.0	ug/kg	65.3	21.0	1	12/15/20 08:00	12/15/20 17:17	108-67-8	
1,3-Dichlorobenzene	<17.9	ug/kg	65.3	17.9	1	12/15/20 08:00	12/15/20 17:17	541-73-1	
1,3-Dichloropropane	<14.2	ug/kg	65.3	14.2	1	12/15/20 08:00	12/15/20 17:17	142-28-9	
1,4-Dichlorobenzene	<17.9	ug/kg	65.3	17.9	1	12/15/20 08:00	12/15/20 17:17	106-46-7	
2,2-Dichloropropane	<17.6	ug/kg	65.3	17.6	1	12/15/20 08:00	12/15/20 17:17	594-20-7	
2-Chlorotoluene	<21.1	ug/kg	65.3	21.1	1	12/15/20 08:00	12/15/20 17:17	95-49-8	
4-Chlorotoluene	<24.8	ug/kg	65.3	24.8	1	12/15/20 08:00	12/15/20 17:17	106-43-4	
Benzene	<15.5	ug/kg	26.1	15.5	1	12/15/20 08:00	12/15/20 17:17	71-43-2	
Bromobenzene	<25.5	ug/kg	65.3	25.5	1	12/15/20 08:00	12/15/20 17:17	108-86-1	
Bromochloromethane	<17.9	ug/kg	65.3	17.9	1	12/15/20 08:00	12/15/20 17:17	74-97-5	
Bromodichloromethane	<15.5	ug/kg	65.3	15.5	1	12/15/20 08:00	12/15/20 17:17	75-27-4	
Bromoform	<287	ug/kg	326	287	1	12/15/20 08:00	12/15/20 17:17	75-25-2	
Bromomethane	<91.5	ug/kg	326	91.5	1	12/15/20 08:00	12/15/20 17:17	74-83-9	
Carbon tetrachloride	<14.4	ug/kg	65.3	14.4	1	12/15/20 08:00	12/15/20 17:17	56-23-5	
Chlorobenzene	<7.8	ug/kg	65.3	7.8	1	12/15/20 08:00	12/15/20 17:17	108-90-7	
Chloroethane	<27.5	ug/kg	326	27.5	1	12/15/20 08:00	12/15/20 17:17	75-00-3	
Chloroform	<46.7	ug/kg	326	46.7	1	12/15/20 08:00	12/15/20 17:17	67-66-3	
Chloromethane	<24.8	ug/kg	65.3	24.8	1	12/15/20 08:00	12/15/20 17:17	74-87-3	
Dibromochloromethane	<223	ug/kg	326	223	1	12/15/20 08:00	12/15/20 17:17	124-48-1	
Dibromomethane	<19.3	ug/kg	65.3	19.3	1	12/15/20 08:00	12/15/20 17:17	74-95-3	
Dichlorodifluoromethane	<28.1	ug/kg	65.3	28.1	1	12/15/20 08:00	12/15/20 17:17	75-71-8	
Diisopropyl ether	<16.2	ug/kg	65.3	16.2	1	12/15/20 08:00	12/15/20 17:17	108-20-3	
Ethylbenzene	<15.5	ug/kg	65.3	15.5	1	12/15/20 08:00	12/15/20 17:17	100-41-4	
Hexachloro-1,3-butadiene	<130	ug/kg	326	130	1	12/15/20 08:00	12/15/20 17:17	87-68-3	
Isopropylbenzene (Cumene)	<17.6	ug/kg	65.3	17.6	1	12/15/20 08:00	12/15/20 17:17	98-82-8	
Methyl-tert-butyl ether	<19.2	ug/kg	65.3	19.2	1	12/15/20 08:00	12/15/20 17:17	1634-04-4	
Methylene Chloride	<18.1	ug/kg	65.3	18.1	1	12/15/20 08:00	12/15/20 17:17	75-09-2	
Naphthalene	<20.4	ug/kg	326	20.4	1	12/15/20 08:00	12/15/20 17:17	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-5 5-6 **Lab ID: 40219775007** Collected: 12/11/20 10:30 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<16.7	ug/kg	65.3	16.7	1	12/15/20 08:00	12/15/20 17:17	100-42-5	
Tetrachloroethene	<25.3	ug/kg	65.3	25.3	1	12/15/20 08:00	12/15/20 17:17	127-18-4	
Toluene	<16.4	ug/kg	65.3	16.4	1	12/15/20 08:00	12/15/20 17:17	108-88-3	
Trichloroethene	<24.4	ug/kg	65.3	24.4	1	12/15/20 08:00	12/15/20 17:17	79-01-6	
Trichlorofluoromethane	<18.9	ug/kg	65.3	18.9	1	12/15/20 08:00	12/15/20 17:17	75-69-4	
Vinyl chloride	<13.2	ug/kg	65.3	13.2	1	12/15/20 08:00	12/15/20 17:17	75-01-4	
Xylene (Total)	<47.1	ug/kg	196	47.1	1	12/15/20 08:00	12/15/20 17:17	1330-20-7	
cis-1,2-Dichloroethene	<14.0	ug/kg	65.3	14.0	1	12/15/20 08:00	12/15/20 17:17	156-59-2	
cis-1,3-Dichloropropene	<43.1	ug/kg	326	43.1	1	12/15/20 08:00	12/15/20 17:17	10061-01-5	
n-Butylbenzene	<29.9	ug/kg	65.3	29.9	1	12/15/20 08:00	12/15/20 17:17	104-51-8	
n-Propylbenzene	<15.7	ug/kg	65.3	15.7	1	12/15/20 08:00	12/15/20 17:17	103-65-1	
p-Isopropyltoluene	<19.8	ug/kg	65.3	19.8	1	12/15/20 08:00	12/15/20 17:17	99-87-6	
sec-Butylbenzene	<15.9	ug/kg	65.3	15.9	1	12/15/20 08:00	12/15/20 17:17	135-98-8	
tert-Butylbenzene	<20.5	ug/kg	65.3	20.5	1	12/15/20 08:00	12/15/20 17:17	98-06-6	
trans-1,2-Dichloroethene	<14.1	ug/kg	65.3	14.1	1	12/15/20 08:00	12/15/20 17:17	156-60-5	
trans-1,3-Dichloropropene	<187	ug/kg	326	187	1	12/15/20 08:00	12/15/20 17:17	10061-02-6	
Surrogates									
Toluene-d8 (S)	93	%	56-140		1	12/15/20 08:00	12/15/20 17:17	2037-26-5	
4-Bromofluorobenzene (S)	91	%	52-137		1	12/15/20 08:00	12/15/20 17:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	50-150		1	12/15/20 08:00	12/15/20 17:17	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	23.4	%	0.10	0.10	1		12/15/20 08:49		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-5 9-10 **Lab ID: 40219775008** Collected: 12/11/20 10:35 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.0	ug/kg	54.3	13.0	1	12/15/20 08:00	12/15/20 17:36	630-20-6	
1,1,1-Trichloroethane	<13.9	ug/kg	54.3	13.9	1	12/15/20 08:00	12/15/20 17:36	71-55-6	
1,1,2,2-Tetrachloroethane	<19.7	ug/kg	54.3	19.7	1	12/15/20 08:00	12/15/20 17:36	79-34-5	
1,1,2-Trichloroethane	<19.8	ug/kg	54.3	19.8	1	12/15/20 08:00	12/15/20 17:36	79-00-5	
1,1-Dichloroethane	<13.9	ug/kg	54.3	13.9	1	12/15/20 08:00	12/15/20 17:36	75-34-3	
1,1-Dichloroethene	<18.0	ug/kg	54.3	18.0	1	12/15/20 08:00	12/15/20 17:36	75-35-4	
1,1-Dichloropropene	<17.6	ug/kg	54.3	17.6	1	12/15/20 08:00	12/15/20 17:36	563-58-6	
1,2,3-Trichlorobenzene	<60.5	ug/kg	272	60.5	1	12/15/20 08:00	12/15/20 17:36	87-61-6	
1,2,3-Trichloropropane	<26.4	ug/kg	54.3	26.4	1	12/15/20 08:00	12/15/20 17:36	96-18-4	
1,2,4-Trichlorobenzene	<44.8	ug/kg	272	44.8	1	12/15/20 08:00	12/15/20 17:36	120-82-1	
1,2,4-Trimethylbenzene	<16.2	ug/kg	54.3	16.2	1	12/15/20 08:00	12/15/20 17:36	95-63-6	
1,2-Dibromo-3-chloropropane	<42.2	ug/kg	272	42.2	1	12/15/20 08:00	12/15/20 17:36	96-12-8	
1,2-Dibromoethane (EDB)	<14.9	ug/kg	54.3	14.9	1	12/15/20 08:00	12/15/20 17:36	106-93-4	
1,2-Dichlorobenzene	<16.8	ug/kg	54.3	16.8	1	12/15/20 08:00	12/15/20 17:36	95-50-1	
1,2-Dichloroethane	<12.5	ug/kg	54.3	12.5	1	12/15/20 08:00	12/15/20 17:36	107-06-2	
1,2-Dichloropropane	<12.9	ug/kg	54.3	12.9	1	12/15/20 08:00	12/15/20 17:36	78-87-5	
1,3,5-Trimethylbenzene	<17.5	ug/kg	54.3	17.5	1	12/15/20 08:00	12/15/20 17:36	108-67-8	
1,3-Dichlorobenzene	<14.9	ug/kg	54.3	14.9	1	12/15/20 08:00	12/15/20 17:36	541-73-1	
1,3-Dichloropropane	<11.8	ug/kg	54.3	11.8	1	12/15/20 08:00	12/15/20 17:36	142-28-9	
1,4-Dichlorobenzene	<14.9	ug/kg	54.3	14.9	1	12/15/20 08:00	12/15/20 17:36	106-46-7	
2,2-Dichloropropane	<14.7	ug/kg	54.3	14.7	1	12/15/20 08:00	12/15/20 17:36	594-20-7	
2-Chlorotoluene	<17.6	ug/kg	54.3	17.6	1	12/15/20 08:00	12/15/20 17:36	95-49-8	
4-Chlorotoluene	<20.7	ug/kg	54.3	20.7	1	12/15/20 08:00	12/15/20 17:36	106-43-4	
Benzene	<12.9	ug/kg	21.7	12.9	1	12/15/20 08:00	12/15/20 17:36	71-43-2	
Bromobenzene	<21.2	ug/kg	54.3	21.2	1	12/15/20 08:00	12/15/20 17:36	108-86-1	
Bromochloromethane	<14.9	ug/kg	54.3	14.9	1	12/15/20 08:00	12/15/20 17:36	74-97-5	
Bromodichloromethane	<12.9	ug/kg	54.3	12.9	1	12/15/20 08:00	12/15/20 17:36	75-27-4	
Bromoform	<239	ug/kg	272	239	1	12/15/20 08:00	12/15/20 17:36	75-25-2	
Bromomethane	<76.2	ug/kg	272	76.2	1	12/15/20 08:00	12/15/20 17:36	74-83-9	
Carbon tetrachloride	<12.0	ug/kg	54.3	12.0	1	12/15/20 08:00	12/15/20 17:36	56-23-5	
Chlorobenzene	<6.5	ug/kg	54.3	6.5	1	12/15/20 08:00	12/15/20 17:36	108-90-7	
Chloroethane	<22.9	ug/kg	272	22.9	1	12/15/20 08:00	12/15/20 17:36	75-00-3	
Chloroform	<38.9	ug/kg	272	38.9	1	12/15/20 08:00	12/15/20 17:36	67-66-3	
Chloromethane	<20.7	ug/kg	54.3	20.7	1	12/15/20 08:00	12/15/20 17:36	74-87-3	
Dibromochloromethane	<186	ug/kg	272	186	1	12/15/20 08:00	12/15/20 17:36	124-48-1	
Dibromomethane	<16.1	ug/kg	54.3	16.1	1	12/15/20 08:00	12/15/20 17:36	74-95-3	
Dichlorodifluoromethane	<23.4	ug/kg	54.3	23.4	1	12/15/20 08:00	12/15/20 17:36	75-71-8	
Diisopropyl ether	<13.5	ug/kg	54.3	13.5	1	12/15/20 08:00	12/15/20 17:36	108-20-3	
Ethylbenzene	<12.9	ug/kg	54.3	12.9	1	12/15/20 08:00	12/15/20 17:36	100-41-4	
Hexachloro-1,3-butadiene	<108	ug/kg	272	108	1	12/15/20 08:00	12/15/20 17:36	87-68-3	
Isopropylbenzene (Cumene)	<14.7	ug/kg	54.3	14.7	1	12/15/20 08:00	12/15/20 17:36	98-82-8	
Methyl-tert-butyl ether	<16.0	ug/kg	54.3	16.0	1	12/15/20 08:00	12/15/20 17:36	1634-04-4	
Methylene Chloride	<15.1	ug/kg	54.3	15.1	1	12/15/20 08:00	12/15/20 17:36	75-09-2	
Naphthalene	<17.0	ug/kg	272	17.0	1	12/15/20 08:00	12/15/20 17:36	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-5 9-10 **Lab ID: 40219775008** Collected: 12/11/20 10:35 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.9	ug/kg	54.3	13.9	1	12/15/20 08:00	12/15/20 17:36	100-42-5	
Tetrachloroethene	30.5J	ug/kg	54.3	21.1	1	12/15/20 08:00	12/15/20 17:36	127-18-4	
Toluene	<13.7	ug/kg	54.3	13.7	1	12/15/20 08:00	12/15/20 17:36	108-88-3	
Trichloroethene	<20.3	ug/kg	54.3	20.3	1	12/15/20 08:00	12/15/20 17:36	79-01-6	
Trichlorofluoromethane	<15.8	ug/kg	54.3	15.8	1	12/15/20 08:00	12/15/20 17:36	75-69-4	
Vinyl chloride	<11.0	ug/kg	54.3	11.0	1	12/15/20 08:00	12/15/20 17:36	75-01-4	
Xylene (Total)	<39.2	ug/kg	163	39.2	1	12/15/20 08:00	12/15/20 17:36	1330-20-7	
cis-1,2-Dichloroethene	<11.6	ug/kg	54.3	11.6	1	12/15/20 08:00	12/15/20 17:36	156-59-2	
cis-1,3-Dichloropropene	<35.9	ug/kg	272	35.9	1	12/15/20 08:00	12/15/20 17:36	10061-01-5	
n-Butylbenzene	<24.9	ug/kg	54.3	24.9	1	12/15/20 08:00	12/15/20 17:36	104-51-8	
n-Propylbenzene	<13.0	ug/kg	54.3	13.0	1	12/15/20 08:00	12/15/20 17:36	103-65-1	
p-Isopropyltoluene	<16.5	ug/kg	54.3	16.5	1	12/15/20 08:00	12/15/20 17:36	99-87-6	
sec-Butylbenzene	<13.3	ug/kg	54.3	13.3	1	12/15/20 08:00	12/15/20 17:36	135-98-8	
tert-Butylbenzene	<17.1	ug/kg	54.3	17.1	1	12/15/20 08:00	12/15/20 17:36	98-06-6	
trans-1,2-Dichloroethene	<11.7	ug/kg	54.3	11.7	1	12/15/20 08:00	12/15/20 17:36	156-60-5	
trans-1,3-Dichloropropene	<155	ug/kg	272	155	1	12/15/20 08:00	12/15/20 17:36	10061-02-6	
Surrogates									
Toluene-d8 (S)	88	%	56-140		1	12/15/20 08:00	12/15/20 17:36	2037-26-5	
4-Bromofluorobenzene (S)	85	%	52-137		1	12/15/20 08:00	12/15/20 17:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	89	%	50-150		1	12/15/20 08:00	12/15/20 17:36	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.0	%	0.10	0.10	1		12/15/20 08:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-4 4-5 **Lab ID: 40219775009** Collected: 12/11/20 10:50 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.9	ug/kg	62.2	14.9	1	12/15/20 08:00	12/15/20 14:41	630-20-6	
1,1,1-Trichloroethane	<15.9	ug/kg	62.2	15.9	1	12/15/20 08:00	12/15/20 14:41	71-55-6	
1,1,2,2-Tetrachloroethane	<22.5	ug/kg	62.2	22.5	1	12/15/20 08:00	12/15/20 14:41	79-34-5	
1,1,2-Trichloroethane	<22.6	ug/kg	62.2	22.6	1	12/15/20 08:00	12/15/20 14:41	79-00-5	
1,1-Dichloroethane	<15.9	ug/kg	62.2	15.9	1	12/15/20 08:00	12/15/20 14:41	75-34-3	
1,1-Dichloroethene	<20.7	ug/kg	62.2	20.7	1	12/15/20 08:00	12/15/20 14:41	75-35-4	
1,1-Dichloropropene	<20.2	ug/kg	62.2	20.2	1	12/15/20 08:00	12/15/20 14:41	563-58-6	
1,2,3-Trichlorobenzene	<69.3	ug/kg	311	69.3	1	12/15/20 08:00	12/15/20 14:41	87-61-6	
1,2,3-Trichloropropane	<30.2	ug/kg	62.2	30.2	1	12/15/20 08:00	12/15/20 14:41	96-18-4	
1,2,4-Trichlorobenzene	<51.3	ug/kg	311	51.3	1	12/15/20 08:00	12/15/20 14:41	120-82-1	
1,2,4-Trimethylbenzene	<18.5	ug/kg	62.2	18.5	1	12/15/20 08:00	12/15/20 14:41	95-63-6	
1,2-Dibromo-3-chloropropane	<48.3	ug/kg	311	48.3	1	12/15/20 08:00	12/15/20 14:41	96-12-8	
1,2-Dibromoethane (EDB)	<17.0	ug/kg	62.2	17.0	1	12/15/20 08:00	12/15/20 14:41	106-93-4	
1,2-Dichlorobenzene	<19.3	ug/kg	62.2	19.3	1	12/15/20 08:00	12/15/20 14:41	95-50-1	
1,2-Dichloroethane	<14.3	ug/kg	62.2	14.3	1	12/15/20 08:00	12/15/20 14:41	107-06-2	
1,2-Dichloropropane	<14.8	ug/kg	62.2	14.8	1	12/15/20 08:00	12/15/20 14:41	78-87-5	
1,3,5-Trimethylbenzene	<20.0	ug/kg	62.2	20.0	1	12/15/20 08:00	12/15/20 14:41	108-67-8	
1,3-Dichlorobenzene	<17.0	ug/kg	62.2	17.0	1	12/15/20 08:00	12/15/20 14:41	541-73-1	
1,3-Dichloropropane	<13.6	ug/kg	62.2	13.6	1	12/15/20 08:00	12/15/20 14:41	142-28-9	
1,4-Dichlorobenzene	<17.0	ug/kg	62.2	17.0	1	12/15/20 08:00	12/15/20 14:41	106-46-7	
2,2-Dichloropropane	<16.8	ug/kg	62.2	16.8	1	12/15/20 08:00	12/15/20 14:41	594-20-7	
2-Chlorotoluene	<20.2	ug/kg	62.2	20.2	1	12/15/20 08:00	12/15/20 14:41	95-49-8	
4-Chlorotoluene	<23.6	ug/kg	62.2	23.6	1	12/15/20 08:00	12/15/20 14:41	106-43-4	
Benzene	<14.8	ug/kg	24.9	14.8	1	12/15/20 08:00	12/15/20 14:41	71-43-2	
Bromobenzene	<24.3	ug/kg	62.2	24.3	1	12/15/20 08:00	12/15/20 14:41	108-86-1	
Bromochloromethane	<17.0	ug/kg	62.2	17.0	1	12/15/20 08:00	12/15/20 14:41	74-97-5	
Bromodichloromethane	<14.8	ug/kg	62.2	14.8	1	12/15/20 08:00	12/15/20 14:41	75-27-4	
Bromoform	<274	ug/kg	311	274	1	12/15/20 08:00	12/15/20 14:41	75-25-2	
Bromomethane	<87.2	ug/kg	311	87.2	1	12/15/20 08:00	12/15/20 14:41	74-83-9	
Carbon tetrachloride	<13.7	ug/kg	62.2	13.7	1	12/15/20 08:00	12/15/20 14:41	56-23-5	
Chlorobenzene	<7.5	ug/kg	62.2	7.5	1	12/15/20 08:00	12/15/20 14:41	108-90-7	
Chloroethane	<26.3	ug/kg	311	26.3	1	12/15/20 08:00	12/15/20 14:41	75-00-3	M1
Chloroform	<44.5	ug/kg	311	44.5	1	12/15/20 08:00	12/15/20 14:41	67-66-3	
Chloromethane	<23.6	ug/kg	62.2	23.6	1	12/15/20 08:00	12/15/20 14:41	74-87-3	
Dibromochloromethane	<213	ug/kg	311	213	1	12/15/20 08:00	12/15/20 14:41	124-48-1	
Dibromomethane	<18.4	ug/kg	62.2	18.4	1	12/15/20 08:00	12/15/20 14:41	74-95-3	
Dichlorodifluoromethane	<26.8	ug/kg	62.2	26.8	1	12/15/20 08:00	12/15/20 14:41	75-71-8	M1
Diisopropyl ether	<15.4	ug/kg	62.2	15.4	1	12/15/20 08:00	12/15/20 14:41	108-20-3	
Ethylbenzene	<14.8	ug/kg	62.2	14.8	1	12/15/20 08:00	12/15/20 14:41	100-41-4	
Hexachloro-1,3-butadiene	<124	ug/kg	311	124	1	12/15/20 08:00	12/15/20 14:41	87-68-3	
Isopropylbenzene (Cumene)	<16.8	ug/kg	62.2	16.8	1	12/15/20 08:00	12/15/20 14:41	98-82-8	
Methyl-tert-butyl ether	<18.3	ug/kg	62.2	18.3	1	12/15/20 08:00	12/15/20 14:41	1634-04-4	
Methylene Chloride	<17.3	ug/kg	62.2	17.3	1	12/15/20 08:00	12/15/20 14:41	75-09-2	
Naphthalene	<19.4	ug/kg	311	19.4	1	12/15/20 08:00	12/15/20 14:41	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-4 4-5 **Lab ID: 40219775009** Collected: 12/11/20 10:50 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<15.9	ug/kg	62.2	15.9	1	12/15/20 08:00	12/15/20 14:41	100-42-5	
Tetrachloroethene	<24.1	ug/kg	62.2	24.1	1	12/15/20 08:00	12/15/20 14:41	127-18-4	
Toluene	<15.7	ug/kg	62.2	15.7	1	12/15/20 08:00	12/15/20 14:41	108-88-3	
Trichloroethene	<23.3	ug/kg	62.2	23.3	1	12/15/20 08:00	12/15/20 14:41	79-01-6	
Trichlorofluoromethane	<18.0	ug/kg	62.2	18.0	1	12/15/20 08:00	12/15/20 14:41	75-69-4	
Vinyl chloride	<12.6	ug/kg	62.2	12.6	1	12/15/20 08:00	12/15/20 14:41	75-01-4	
Xylene (Total)	<44.9	ug/kg	187	44.9	1	12/15/20 08:00	12/15/20 14:41	1330-20-7	
cis-1,2-Dichloroethene	<13.3	ug/kg	62.2	13.3	1	12/15/20 08:00	12/15/20 14:41	156-59-2	
cis-1,3-Dichloropropene	<41.1	ug/kg	311	41.1	1	12/15/20 08:00	12/15/20 14:41	10061-01-5	
n-Butylbenzene	<28.5	ug/kg	62.2	28.5	1	12/15/20 08:00	12/15/20 14:41	104-51-8	
n-Propylbenzene	<14.9	ug/kg	62.2	14.9	1	12/15/20 08:00	12/15/20 14:41	103-65-1	
p-Isopropyltoluene	<18.9	ug/kg	62.2	18.9	1	12/15/20 08:00	12/15/20 14:41	99-87-6	
sec-Butylbenzene	<15.2	ug/kg	62.2	15.2	1	12/15/20 08:00	12/15/20 14:41	135-98-8	
tert-Butylbenzene	<19.5	ug/kg	62.2	19.5	1	12/15/20 08:00	12/15/20 14:41	98-06-6	
trans-1,2-Dichloroethene	<13.4	ug/kg	62.2	13.4	1	12/15/20 08:00	12/15/20 14:41	156-60-5	
trans-1,3-Dichloropropene	<178	ug/kg	311	178	1	12/15/20 08:00	12/15/20 14:41	10061-02-6	
Surrogates									
Toluene-d8 (S)	93	%	56-140		1	12/15/20 08:00	12/15/20 14:41	2037-26-5	
4-Bromofluorobenzene (S)	92	%	52-137		1	12/15/20 08:00	12/15/20 14:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	50-150		1	12/15/20 08:00	12/15/20 14:41	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	19.6	%	0.10	0.10	1		12/15/20 08:50		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: **GB-4 8-9** Lab ID: **40219775010** Collected: 12/11/20 10:55 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<12.9	ug/kg	53.6	12.9	1	12/15/20 08:00	12/15/20 17:55	630-20-6	
1,1,1-Trichloroethane	<13.7	ug/kg	53.6	13.7	1	12/15/20 08:00	12/15/20 17:55	71-55-6	
1,1,2,2-Tetrachloroethane	<19.4	ug/kg	53.6	19.4	1	12/15/20 08:00	12/15/20 17:55	79-34-5	
1,1,2-Trichloroethane	<19.5	ug/kg	53.6	19.5	1	12/15/20 08:00	12/15/20 17:55	79-00-5	
1,1-Dichloroethane	<13.7	ug/kg	53.6	13.7	1	12/15/20 08:00	12/15/20 17:55	75-34-3	
1,1-Dichloroethene	<17.8	ug/kg	53.6	17.8	1	12/15/20 08:00	12/15/20 17:55	75-35-4	
1,1-Dichloropropene	<17.4	ug/kg	53.6	17.4	1	12/15/20 08:00	12/15/20 17:55	563-58-6	
1,2,3-Trichlorobenzene	<59.7	ug/kg	268	59.7	1	12/15/20 08:00	12/15/20 17:55	87-61-6	
1,2,3-Trichloropropane	<26.0	ug/kg	53.6	26.0	1	12/15/20 08:00	12/15/20 17:55	96-18-4	
1,2,4-Trichlorobenzene	<44.1	ug/kg	268	44.1	1	12/15/20 08:00	12/15/20 17:55	120-82-1	
1,2,4-Trimethylbenzene	<16.0	ug/kg	53.6	16.0	1	12/15/20 08:00	12/15/20 17:55	95-63-6	
1,2-Dibromo-3-chloropropane	<41.6	ug/kg	268	41.6	1	12/15/20 08:00	12/15/20 17:55	96-12-8	
1,2-Dibromoethane (EDB)	<14.7	ug/kg	53.6	14.7	1	12/15/20 08:00	12/15/20 17:55	106-93-4	
1,2-Dichlorobenzene	<16.6	ug/kg	53.6	16.6	1	12/15/20 08:00	12/15/20 17:55	95-50-1	
1,2-Dichloroethane	<12.3	ug/kg	53.6	12.3	1	12/15/20 08:00	12/15/20 17:55	107-06-2	
1,2-Dichloropropane	<12.7	ug/kg	53.6	12.7	1	12/15/20 08:00	12/15/20 17:55	78-87-5	
1,3,5-Trimethylbenzene	<17.2	ug/kg	53.6	17.2	1	12/15/20 08:00	12/15/20 17:55	108-67-8	
1,3-Dichlorobenzene	<14.7	ug/kg	53.6	14.7	1	12/15/20 08:00	12/15/20 17:55	541-73-1	
1,3-Dichloropropane	<11.7	ug/kg	53.6	11.7	1	12/15/20 08:00	12/15/20 17:55	142-28-9	
1,4-Dichlorobenzene	<14.7	ug/kg	53.6	14.7	1	12/15/20 08:00	12/15/20 17:55	106-46-7	
2,2-Dichloropropane	<14.5	ug/kg	53.6	14.5	1	12/15/20 08:00	12/15/20 17:55	594-20-7	
2-Chlorotoluene	<17.4	ug/kg	53.6	17.4	1	12/15/20 08:00	12/15/20 17:55	95-49-8	
4-Chlorotoluene	<20.4	ug/kg	53.6	20.4	1	12/15/20 08:00	12/15/20 17:55	106-43-4	
Benzene	<12.7	ug/kg	21.4	12.7	1	12/15/20 08:00	12/15/20 17:55	71-43-2	
Bromobenzene	<20.9	ug/kg	53.6	20.9	1	12/15/20 08:00	12/15/20 17:55	108-86-1	
Bromochloromethane	<14.7	ug/kg	53.6	14.7	1	12/15/20 08:00	12/15/20 17:55	74-97-5	
Bromodichloromethane	<12.7	ug/kg	53.6	12.7	1	12/15/20 08:00	12/15/20 17:55	75-27-4	
Bromoform	<236	ug/kg	268	236	1	12/15/20 08:00	12/15/20 17:55	75-25-2	
Bromomethane	<75.1	ug/kg	268	75.1	1	12/15/20 08:00	12/15/20 17:55	74-83-9	
Carbon tetrachloride	<11.8	ug/kg	53.6	11.8	1	12/15/20 08:00	12/15/20 17:55	56-23-5	
Chlorobenzene	<6.4	ug/kg	53.6	6.4	1	12/15/20 08:00	12/15/20 17:55	108-90-7	
Chloroethane	<22.6	ug/kg	268	22.6	1	12/15/20 08:00	12/15/20 17:55	75-00-3	
Chloroform	<38.3	ug/kg	268	38.3	1	12/15/20 08:00	12/15/20 17:55	67-66-3	
Chloromethane	<20.4	ug/kg	53.6	20.4	1	12/15/20 08:00	12/15/20 17:55	74-87-3	
Dibromochloromethane	<183	ug/kg	268	183	1	12/15/20 08:00	12/15/20 17:55	124-48-1	
Dibromomethane	<15.9	ug/kg	53.6	15.9	1	12/15/20 08:00	12/15/20 17:55	74-95-3	
Dichlorodifluoromethane	<23.0	ug/kg	53.6	23.0	1	12/15/20 08:00	12/15/20 17:55	75-71-8	
Diisopropyl ether	<13.3	ug/kg	53.6	13.3	1	12/15/20 08:00	12/15/20 17:55	108-20-3	
Ethylbenzene	<12.7	ug/kg	53.6	12.7	1	12/15/20 08:00	12/15/20 17:55	100-41-4	
Hexachloro-1,3-butadiene	<106	ug/kg	268	106	1	12/15/20 08:00	12/15/20 17:55	87-68-3	
Isopropylbenzene (Cumene)	<14.5	ug/kg	53.6	14.5	1	12/15/20 08:00	12/15/20 17:55	98-82-8	
Methyl-tert-butyl ether	<15.7	ug/kg	53.6	15.7	1	12/15/20 08:00	12/15/20 17:55	1634-04-4	
Methylene Chloride	<14.9	ug/kg	53.6	14.9	1	12/15/20 08:00	12/15/20 17:55	75-09-2	
Naphthalene	<16.7	ug/kg	268	16.7	1	12/15/20 08:00	12/15/20 17:55	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-4 8-9 **Lab ID: 40219775010** Collected: 12/11/20 10:55 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.7	ug/kg	53.6	13.7	1	12/15/20 08:00	12/15/20 17:55	100-42-5	
Tetrachloroethene	<20.8	ug/kg	53.6	20.8	1	12/15/20 08:00	12/15/20 17:55	127-18-4	
Toluene	<13.5	ug/kg	53.6	13.5	1	12/15/20 08:00	12/15/20 17:55	108-88-3	
Trichloroethene	<20.0	ug/kg	53.6	20.0	1	12/15/20 08:00	12/15/20 17:55	79-01-6	
Trichlorofluoromethane	<15.5	ug/kg	53.6	15.5	1	12/15/20 08:00	12/15/20 17:55	75-69-4	
Vinyl chloride	<10.8	ug/kg	53.6	10.8	1	12/15/20 08:00	12/15/20 17:55	75-01-4	
Xylene (Total)	<38.7	ug/kg	161	38.7	1	12/15/20 08:00	12/15/20 17:55	1330-20-7	
cis-1,2-Dichloroethene	<11.5	ug/kg	53.6	11.5	1	12/15/20 08:00	12/15/20 17:55	156-59-2	
cis-1,3-Dichloropropene	<35.3	ug/kg	268	35.3	1	12/15/20 08:00	12/15/20 17:55	10061-01-5	
n-Butylbenzene	<24.5	ug/kg	53.6	24.5	1	12/15/20 08:00	12/15/20 17:55	104-51-8	
n-Propylbenzene	<12.9	ug/kg	53.6	12.9	1	12/15/20 08:00	12/15/20 17:55	103-65-1	
p-Isopropyltoluene	<16.3	ug/kg	53.6	16.3	1	12/15/20 08:00	12/15/20 17:55	99-87-6	
sec-Butylbenzene	<13.1	ug/kg	53.6	13.1	1	12/15/20 08:00	12/15/20 17:55	135-98-8	
tert-Butylbenzene	<16.8	ug/kg	53.6	16.8	1	12/15/20 08:00	12/15/20 17:55	98-06-6	
trans-1,2-Dichloroethene	<11.6	ug/kg	53.6	11.6	1	12/15/20 08:00	12/15/20 17:55	156-60-5	
trans-1,3-Dichloropropene	<153	ug/kg	268	153	1	12/15/20 08:00	12/15/20 17:55	10061-02-6	
Surrogates									
Toluene-d8 (S)	97	%	56-140		1	12/15/20 08:00	12/15/20 17:55	2037-26-5	
4-Bromofluorobenzene (S)	93	%	52-137		1	12/15/20 08:00	12/15/20 17:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	50-150		1	12/15/20 08:00	12/15/20 17:55	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	6.6	%	0.10	0.10	1		12/15/20 08:50		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-6 3-4 **Lab ID: 40219775011** Collected: 12/11/20 11:15 Received: 12/12/20 08:45 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
8270 MSSV PAH by SIM									
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<2.7	ug/kg	21.2	2.7	1	12/16/20 08:17	12/16/20 19:08	83-32-9	
Acenaphthylene	<2.7	ug/kg	21.2	2.7	1	12/16/20 08:17	12/16/20 19:08	208-96-8	
Anthracene	5.2J	ug/kg	21.2	2.6	1	12/16/20 08:17	12/16/20 19:08	120-12-7	
Benzo(a)anthracene	10.4J	ug/kg	21.2	2.7	1	12/16/20 08:17	12/16/20 19:08	56-55-3	
Benzo(a)pyrene	6.8J	ug/kg	21.2	2.4	1	12/16/20 08:17	12/16/20 19:08	50-32-8	
Benzo(b)fluoranthene	8.5J	ug/kg	21.2	2.9	1	12/16/20 08:17	12/16/20 19:08	205-99-2	
Benzo(g,h,i)perylene	5.4J	ug/kg	21.2	3.7	1	12/16/20 08:17	12/16/20 19:08	191-24-2	
Benzo(k)fluoranthene	4.4J	ug/kg	21.2	2.7	1	12/16/20 08:17	12/16/20 19:08	207-08-9	
Chrysene	7.9J	ug/kg	21.2	4.0	1	12/16/20 08:17	12/16/20 19:08	218-01-9	
Dibenz(a,h)anthracene	<2.9	ug/kg	21.2	2.9	1	12/16/20 08:17	12/16/20 19:08	53-70-3	
Fluoranthene	19.0J	ug/kg	21.2	2.5	1	12/16/20 08:17	12/16/20 19:08	206-44-0	
Fluorene	<2.5	ug/kg	21.2	2.5	1	12/16/20 08:17	12/16/20 19:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.4	ug/kg	21.2	4.4	1	12/16/20 08:17	12/16/20 19:08	193-39-5	
1-Methylnaphthalene	<3.1	ug/kg	21.2	3.1	1	12/16/20 08:17	12/16/20 19:08	90-12-0	
2-Methylnaphthalene	<3.1	ug/kg	21.2	3.1	1	12/16/20 08:17	12/16/20 19:08	91-57-6	
Naphthalene	<2.1	ug/kg	21.2	2.1	1	12/16/20 08:17	12/16/20 19:08	91-20-3	
Phenanthrene	14.6J	ug/kg	21.2	2.4	1	12/16/20 08:17	12/16/20 19:08	85-01-8	
Pyrene	14.8J	ug/kg	21.2	3.1	1	12/16/20 08:17	12/16/20 19:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	69	%	17-100		1	12/16/20 08:17	12/16/20 19:08	321-60-8	
Terphenyl-d14 (S)	77	%	17-98		1	12/16/20 08:17	12/16/20 19:08	1718-51-0	

8260 MSV Med Level Normal List

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B
Pace Analytical Services - Green Bay

1,1,1,2-Tetrachloroethane	<15.2	ug/kg	63.4	15.2	1	12/15/20 08:00	12/15/20 18:15	630-20-6	
1,1,1-Trichloroethane	<16.2	ug/kg	63.4	16.2	1	12/15/20 08:00	12/15/20 18:15	71-55-6	
1,1,2,2-Tetrachloroethane	<23.0	ug/kg	63.4	23.0	1	12/15/20 08:00	12/15/20 18:15	79-34-5	
1,1,2-Trichloroethane	<23.1	ug/kg	63.4	23.1	1	12/15/20 08:00	12/15/20 18:15	79-00-5	
1,1-Dichloroethane	<16.2	ug/kg	63.4	16.2	1	12/15/20 08:00	12/15/20 18:15	75-34-3	
1,1-Dichloroethene	<21.0	ug/kg	63.4	21.0	1	12/15/20 08:00	12/15/20 18:15	75-35-4	
1,1-Dichloropropene	<20.5	ug/kg	63.4	20.5	1	12/15/20 08:00	12/15/20 18:15	563-58-6	
1,2,3-Trichlorobenzene	<70.6	ug/kg	317	70.6	1	12/15/20 08:00	12/15/20 18:15	87-61-6	
1,2,3-Trichloropropane	<30.8	ug/kg	63.4	30.8	1	12/15/20 08:00	12/15/20 18:15	96-18-4	
1,2,4-Trichlorobenzene	<52.2	ug/kg	317	52.2	1	12/15/20 08:00	12/15/20 18:15	120-82-1	
1,2,4-Trimethylbenzene	<18.9	ug/kg	63.4	18.9	1	12/15/20 08:00	12/15/20 18:15	95-63-6	
1,2-Dibromo-3-chloropropane	<49.2	ug/kg	317	49.2	1	12/15/20 08:00	12/15/20 18:15	96-12-8	
1,2-Dibromoethane (EDB)	<17.4	ug/kg	63.4	17.4	1	12/15/20 08:00	12/15/20 18:15	106-93-4	
1,2-Dichlorobenzene	<19.7	ug/kg	63.4	19.7	1	12/15/20 08:00	12/15/20 18:15	95-50-1	
1,2-Dichloroethane	<14.6	ug/kg	63.4	14.6	1	12/15/20 08:00	12/15/20 18:15	107-06-2	
1,2-Dichloropropane	<15.1	ug/kg	63.4	15.1	1	12/15/20 08:00	12/15/20 18:15	78-87-5	
1,3,5-Trimethylbenzene	<20.4	ug/kg	63.4	20.4	1	12/15/20 08:00	12/15/20 18:15	108-67-8	
1,3-Dichlorobenzene	<17.4	ug/kg	63.4	17.4	1	12/15/20 08:00	12/15/20 18:15	541-73-1	
1,3-Dichloropropane	<13.8	ug/kg	63.4	13.8	1	12/15/20 08:00	12/15/20 18:15	142-28-9	
1,4-Dichlorobenzene	<17.4	ug/kg	63.4	17.4	1	12/15/20 08:00	12/15/20 18:15	106-46-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: **GB-6 3-4** Lab ID: **40219775011** Collected: 12/11/20 11:15 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<17.1	ug/kg	63.4	17.1	1	12/15/20 08:00	12/15/20 18:15	594-20-7	
2-Chlorotoluene	<20.5	ug/kg	63.4	20.5	1	12/15/20 08:00	12/15/20 18:15	95-49-8	
4-Chlorotoluene	<24.1	ug/kg	63.4	24.1	1	12/15/20 08:00	12/15/20 18:15	106-43-4	
Benzene	<15.1	ug/kg	25.4	15.1	1	12/15/20 08:00	12/15/20 18:15	71-43-2	
Bromobenzene	<24.7	ug/kg	63.4	24.7	1	12/15/20 08:00	12/15/20 18:15	108-86-1	
Bromochloromethane	<17.4	ug/kg	63.4	17.4	1	12/15/20 08:00	12/15/20 18:15	74-97-5	
Bromodichloromethane	<15.1	ug/kg	63.4	15.1	1	12/15/20 08:00	12/15/20 18:15	75-27-4	
Bromoform	<279	ug/kg	317	279	1	12/15/20 08:00	12/15/20 18:15	75-25-2	
Bromomethane	<88.9	ug/kg	317	88.9	1	12/15/20 08:00	12/15/20 18:15	74-83-9	
Carbon tetrachloride	<13.9	ug/kg	63.4	13.9	1	12/15/20 08:00	12/15/20 18:15	56-23-5	
Chlorobenzene	<7.6	ug/kg	63.4	7.6	1	12/15/20 08:00	12/15/20 18:15	108-90-7	
Chloroethane	<26.8	ug/kg	317	26.8	1	12/15/20 08:00	12/15/20 18:15	75-00-3	
Chloroform	<45.4	ug/kg	317	45.4	1	12/15/20 08:00	12/15/20 18:15	67-66-3	
Chloromethane	<24.1	ug/kg	63.4	24.1	1	12/15/20 08:00	12/15/20 18:15	74-87-3	
Dibromochloromethane	<217	ug/kg	317	217	1	12/15/20 08:00	12/15/20 18:15	124-48-1	
Dibromomethane	<18.8	ug/kg	63.4	18.8	1	12/15/20 08:00	12/15/20 18:15	74-95-3	
Dichlorodifluoromethane	<27.3	ug/kg	63.4	27.3	1	12/15/20 08:00	12/15/20 18:15	75-71-8	
Diisopropyl ether	<15.7	ug/kg	63.4	15.7	1	12/15/20 08:00	12/15/20 18:15	108-20-3	
Ethylbenzene	<15.1	ug/kg	63.4	15.1	1	12/15/20 08:00	12/15/20 18:15	100-41-4	
Hexachloro-1,3-butadiene	<126	ug/kg	317	126	1	12/15/20 08:00	12/15/20 18:15	87-68-3	
Isopropylbenzene (Cumene)	<17.1	ug/kg	63.4	17.1	1	12/15/20 08:00	12/15/20 18:15	98-82-8	
Methyl-tert-butyl ether	<18.6	ug/kg	63.4	18.6	1	12/15/20 08:00	12/15/20 18:15	1634-04-4	
Methylene Chloride	<17.6	ug/kg	63.4	17.6	1	12/15/20 08:00	12/15/20 18:15	75-09-2	
Naphthalene	<19.8	ug/kg	317	19.8	1	12/15/20 08:00	12/15/20 18:15	91-20-3	
Styrene	<16.2	ug/kg	63.4	16.2	1	12/15/20 08:00	12/15/20 18:15	100-42-5	
Tetrachloroethene	<24.6	ug/kg	63.4	24.6	1	12/15/20 08:00	12/15/20 18:15	127-18-4	
Toluene	<16.0	ug/kg	63.4	16.0	1	12/15/20 08:00	12/15/20 18:15	108-88-3	
Trichloroethene	<23.7	ug/kg	63.4	23.7	1	12/15/20 08:00	12/15/20 18:15	79-01-6	
Trichlorofluoromethane	<18.4	ug/kg	63.4	18.4	1	12/15/20 08:00	12/15/20 18:15	75-69-4	
Vinyl chloride	<12.8	ug/kg	63.4	12.8	1	12/15/20 08:00	12/15/20 18:15	75-01-4	
Xylene (Total)	<45.8	ug/kg	190	45.8	1	12/15/20 08:00	12/15/20 18:15	1330-20-7	
cis-1,2-Dichloroethene	<13.6	ug/kg	63.4	13.6	1	12/15/20 08:00	12/15/20 18:15	156-59-2	
cis-1,3-Dichloropropene	<41.8	ug/kg	317	41.8	1	12/15/20 08:00	12/15/20 18:15	10061-01-5	
n-Butylbenzene	<29.0	ug/kg	63.4	29.0	1	12/15/20 08:00	12/15/20 18:15	104-51-8	
n-Propylbenzene	<15.2	ug/kg	63.4	15.2	1	12/15/20 08:00	12/15/20 18:15	103-65-1	
p-Isopropyltoluene	<19.3	ug/kg	63.4	19.3	1	12/15/20 08:00	12/15/20 18:15	99-87-6	
sec-Butylbenzene	<15.5	ug/kg	63.4	15.5	1	12/15/20 08:00	12/15/20 18:15	135-98-8	
tert-Butylbenzene	<19.9	ug/kg	63.4	19.9	1	12/15/20 08:00	12/15/20 18:15	98-06-6	
trans-1,2-Dichloroethene	<13.7	ug/kg	63.4	13.7	1	12/15/20 08:00	12/15/20 18:15	156-60-5	
trans-1,3-Dichloropropene	<181	ug/kg	317	181	1	12/15/20 08:00	12/15/20 18:15	10061-02-6	
Surrogates									
Toluene-d8 (S)	106	%	56-140		1	12/15/20 08:00	12/15/20 18:15	2037-26-5	
4-Bromofluorobenzene (S)	108	%	52-137		1	12/15/20 08:00	12/15/20 18:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	113	%	50-150		1	12/15/20 08:00	12/15/20 18:15	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-6 3-4 **Lab ID: 40219775011** Collected: 12/11/20 11:15 Received: 12/12/20 08:45 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	21.1	%	0.10	0.10	1		12/15/20 08:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-6 8-9 **Lab ID: 40219775012** Collected: 12/11/20 11:20 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.6	ug/kg	60.8	14.6	1	12/15/20 08:00	12/15/20 18:35	630-20-6	
1,1,1-Trichloroethane	<15.6	ug/kg	60.8	15.6	1	12/15/20 08:00	12/15/20 18:35	71-55-6	
1,1,2,2-Tetrachloroethane	<22.0	ug/kg	60.8	22.0	1	12/15/20 08:00	12/15/20 18:35	79-34-5	
1,1,2-Trichloroethane	<22.1	ug/kg	60.8	22.1	1	12/15/20 08:00	12/15/20 18:35	79-00-5	
1,1-Dichloroethane	<15.6	ug/kg	60.8	15.6	1	12/15/20 08:00	12/15/20 18:35	75-34-3	
1,1-Dichloroethene	<20.2	ug/kg	60.8	20.2	1	12/15/20 08:00	12/15/20 18:35	75-35-4	
1,1-Dichloropropene	<19.7	ug/kg	60.8	19.7	1	12/15/20 08:00	12/15/20 18:35	563-58-6	
1,2,3-Trichlorobenzene	<67.7	ug/kg	304	67.7	1	12/15/20 08:00	12/15/20 18:35	87-61-6	
1,2,3-Trichloropropane	<29.5	ug/kg	60.8	29.5	1	12/15/20 08:00	12/15/20 18:35	96-18-4	
1,2,4-Trichlorobenzene	<50.1	ug/kg	304	50.1	1	12/15/20 08:00	12/15/20 18:35	120-82-1	
1,2,4-Trimethylbenzene	<18.1	ug/kg	60.8	18.1	1	12/15/20 08:00	12/15/20 18:35	95-63-6	
1,2-Dibromo-3-chloropropane	<47.1	ug/kg	304	47.1	1	12/15/20 08:00	12/15/20 18:35	96-12-8	
1,2-Dibromoethane (EDB)	<16.6	ug/kg	60.8	16.6	1	12/15/20 08:00	12/15/20 18:35	106-93-4	
1,2-Dichlorobenzene	<18.8	ug/kg	60.8	18.8	1	12/15/20 08:00	12/15/20 18:35	95-50-1	
1,2-Dichloroethane	<14.0	ug/kg	60.8	14.0	1	12/15/20 08:00	12/15/20 18:35	107-06-2	
1,2-Dichloropropane	<14.5	ug/kg	60.8	14.5	1	12/15/20 08:00	12/15/20 18:35	78-87-5	
1,3,5-Trimethylbenzene	<19.6	ug/kg	60.8	19.6	1	12/15/20 08:00	12/15/20 18:35	108-67-8	
1,3-Dichlorobenzene	<16.6	ug/kg	60.8	16.6	1	12/15/20 08:00	12/15/20 18:35	541-73-1	
1,3-Dichloropropane	<13.2	ug/kg	60.8	13.2	1	12/15/20 08:00	12/15/20 18:35	142-28-9	
1,4-Dichlorobenzene	<16.6	ug/kg	60.8	16.6	1	12/15/20 08:00	12/15/20 18:35	106-46-7	
2,2-Dichloropropane	<16.4	ug/kg	60.8	16.4	1	12/15/20 08:00	12/15/20 18:35	594-20-7	
2-Chlorotoluene	<19.7	ug/kg	60.8	19.7	1	12/15/20 08:00	12/15/20 18:35	95-49-8	
4-Chlorotoluene	<23.1	ug/kg	60.8	23.1	1	12/15/20 08:00	12/15/20 18:35	106-43-4	
Benzene	<14.5	ug/kg	24.3	14.5	1	12/15/20 08:00	12/15/20 18:35	71-43-2	
Bromobenzene	<23.7	ug/kg	60.8	23.7	1	12/15/20 08:00	12/15/20 18:35	108-86-1	
Bromochloromethane	<16.6	ug/kg	60.8	16.6	1	12/15/20 08:00	12/15/20 18:35	74-97-5	
Bromodichloromethane	<14.5	ug/kg	60.8	14.5	1	12/15/20 08:00	12/15/20 18:35	75-27-4	
Bromoform	<267	ug/kg	304	267	1	12/15/20 08:00	12/15/20 18:35	75-25-2	
Bromomethane	<85.2	ug/kg	304	85.2	1	12/15/20 08:00	12/15/20 18:35	74-83-9	
Carbon tetrachloride	<13.4	ug/kg	60.8	13.4	1	12/15/20 08:00	12/15/20 18:35	56-23-5	
Chlorobenzene	<7.3	ug/kg	60.8	7.3	1	12/15/20 08:00	12/15/20 18:35	108-90-7	
Chloroethane	<25.6	ug/kg	304	25.6	1	12/15/20 08:00	12/15/20 18:35	75-00-3	
Chloroform	<43.5	ug/kg	304	43.5	1	12/15/20 08:00	12/15/20 18:35	67-66-3	
Chloromethane	<23.1	ug/kg	60.8	23.1	1	12/15/20 08:00	12/15/20 18:35	74-87-3	
Dibromochloromethane	<208	ug/kg	304	208	1	12/15/20 08:00	12/15/20 18:35	124-48-1	
Dibromomethane	<18.0	ug/kg	60.8	18.0	1	12/15/20 08:00	12/15/20 18:35	74-95-3	
Dichlorodifluoromethane	<26.1	ug/kg	60.8	26.1	1	12/15/20 08:00	12/15/20 18:35	75-71-8	
Diisopropyl ether	<15.1	ug/kg	60.8	15.1	1	12/15/20 08:00	12/15/20 18:35	108-20-3	
Ethylbenzene	<14.5	ug/kg	60.8	14.5	1	12/15/20 08:00	12/15/20 18:35	100-41-4	
Hexachloro-1,3-butadiene	<121	ug/kg	304	121	1	12/15/20 08:00	12/15/20 18:35	87-68-3	
Isopropylbenzene (Cumene)	<16.4	ug/kg	60.8	16.4	1	12/15/20 08:00	12/15/20 18:35	98-82-8	
Methyl-tert-butyl ether	<17.9	ug/kg	60.8	17.9	1	12/15/20 08:00	12/15/20 18:35	1634-04-4	
Methylene Chloride	<16.9	ug/kg	60.8	16.9	1	12/15/20 08:00	12/15/20 18:35	75-09-2	
Naphthalene	<19.0	ug/kg	304	19.0	1	12/15/20 08:00	12/15/20 18:35	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-6 8-9 **Lab ID: 40219775012** Collected: 12/11/20 11:20 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<15.6	ug/kg	60.8	15.6	1	12/15/20 08:00	12/15/20 18:35	100-42-5	
Tetrachloroethene	<23.6	ug/kg	60.8	23.6	1	12/15/20 08:00	12/15/20 18:35	127-18-4	
Toluene	<15.3	ug/kg	60.8	15.3	1	12/15/20 08:00	12/15/20 18:35	108-88-3	
Trichloroethene	<22.7	ug/kg	60.8	22.7	1	12/15/20 08:00	12/15/20 18:35	79-01-6	
Trichlorofluoromethane	<17.6	ug/kg	60.8	17.6	1	12/15/20 08:00	12/15/20 18:35	75-69-4	
Vinyl chloride	<12.3	ug/kg	60.8	12.3	1	12/15/20 08:00	12/15/20 18:35	75-01-4	
Xylene (Total)	<43.9	ug/kg	182	43.9	1	12/15/20 08:00	12/15/20 18:35	1330-20-7	
cis-1,2-Dichloroethene	<13.0	ug/kg	60.8	13.0	1	12/15/20 08:00	12/15/20 18:35	156-59-2	
cis-1,3-Dichloropropene	<40.1	ug/kg	304	40.1	1	12/15/20 08:00	12/15/20 18:35	10061-01-5	
n-Butylbenzene	<27.8	ug/kg	60.8	27.8	1	12/15/20 08:00	12/15/20 18:35	104-51-8	
n-Propylbenzene	<14.6	ug/kg	60.8	14.6	1	12/15/20 08:00	12/15/20 18:35	103-65-1	
p-Isopropyltoluene	<18.5	ug/kg	60.8	18.5	1	12/15/20 08:00	12/15/20 18:35	99-87-6	
sec-Butylbenzene	<14.8	ug/kg	60.8	14.8	1	12/15/20 08:00	12/15/20 18:35	135-98-8	
tert-Butylbenzene	<19.1	ug/kg	60.8	19.1	1	12/15/20 08:00	12/15/20 18:35	98-06-6	
trans-1,2-Dichloroethene	<13.1	ug/kg	60.8	13.1	1	12/15/20 08:00	12/15/20 18:35	156-60-5	
trans-1,3-Dichloropropene	<174	ug/kg	304	174	1	12/15/20 08:00	12/15/20 18:35	10061-02-6	
Surrogates									
Toluene-d8 (S)	103	%	56-140		1	12/15/20 08:00	12/15/20 18:35	2037-26-5	
4-Bromofluorobenzene (S)	99	%	52-137		1	12/15/20 08:00	12/15/20 18:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	50-150		1	12/15/20 08:00	12/15/20 18:35	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	17.7	%	0.10	0.10	1		12/15/20 08:50		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-6 14-15 Lab ID: 40219775013 Collected: 12/11/20 11:25 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<13.1	ug/kg	54.5	13.1	1	12/16/20 08:30	12/16/20 17:21	630-20-6	
1,1,1-Trichloroethane	<13.9	ug/kg	54.5	13.9	1	12/16/20 08:30	12/16/20 17:21	71-55-6	
1,1,2,2-Tetrachloroethane	<19.7	ug/kg	54.5	19.7	1	12/16/20 08:30	12/16/20 17:21	79-34-5	
1,1,2-Trichloroethane	<19.8	ug/kg	54.5	19.8	1	12/16/20 08:30	12/16/20 17:21	79-00-5	
1,1-Dichloroethane	<13.9	ug/kg	54.5	13.9	1	12/16/20 08:30	12/16/20 17:21	75-34-3	
1,1-Dichloroethene	<18.1	ug/kg	54.5	18.1	1	12/16/20 08:30	12/16/20 17:21	75-35-4	
1,1-Dichloropropene	<17.6	ug/kg	54.5	17.6	1	12/16/20 08:30	12/16/20 17:21	563-58-6	
1,2,3-Trichlorobenzene	<60.7	ug/kg	272	60.7	1	12/16/20 08:30	12/16/20 17:21	87-61-6	
1,2,3-Trichloropropane	<26.5	ug/kg	54.5	26.5	1	12/16/20 08:30	12/16/20 17:21	96-18-4	
1,2,4-Trichlorobenzene	<44.9	ug/kg	272	44.9	1	12/16/20 08:30	12/16/20 17:21	120-82-1	
1,2,4-Trimethylbenzene	<16.2	ug/kg	54.5	16.2	1	12/16/20 08:30	12/16/20 17:21	95-63-6	
1,2-Dibromo-3-chloropropane	<42.3	ug/kg	272	42.3	1	12/16/20 08:30	12/16/20 17:21	96-12-8	
1,2-Dibromoethane (EDB)	<14.9	ug/kg	54.5	14.9	1	12/16/20 08:30	12/16/20 17:21	106-93-4	
1,2-Dichlorobenzene	<16.9	ug/kg	54.5	16.9	1	12/16/20 08:30	12/16/20 17:21	95-50-1	
1,2-Dichloroethane	<12.5	ug/kg	54.5	12.5	1	12/16/20 08:30	12/16/20 17:21	107-06-2	
1,2-Dichloropropane	<13.0	ug/kg	54.5	13.0	1	12/16/20 08:30	12/16/20 17:21	78-87-5	
1,3,5-Trimethylbenzene	<17.5	ug/kg	54.5	17.5	1	12/16/20 08:30	12/16/20 17:21	108-67-8	
1,3-Dichlorobenzene	<14.9	ug/kg	54.5	14.9	1	12/16/20 08:30	12/16/20 17:21	541-73-1	
1,3-Dichloropropane	<11.9	ug/kg	54.5	11.9	1	12/16/20 08:30	12/16/20 17:21	142-28-9	
1,4-Dichlorobenzene	<14.9	ug/kg	54.5	14.9	1	12/16/20 08:30	12/16/20 17:21	106-46-7	
2,2-Dichloropropane	<14.7	ug/kg	54.5	14.7	1	12/16/20 08:30	12/16/20 17:21	594-20-7	
2-Chlorotoluene	<17.6	ug/kg	54.5	17.6	1	12/16/20 08:30	12/16/20 17:21	95-49-8	
4-Chlorotoluene	<20.7	ug/kg	54.5	20.7	1	12/16/20 08:30	12/16/20 17:21	106-43-4	
Benzene	<13.0	ug/kg	21.8	13.0	1	12/16/20 08:30	12/16/20 17:21	71-43-2	
Bromobenzene	<21.2	ug/kg	54.5	21.2	1	12/16/20 08:30	12/16/20 17:21	108-86-1	
Bromochloromethane	<14.9	ug/kg	54.5	14.9	1	12/16/20 08:30	12/16/20 17:21	74-97-5	
Bromodichloromethane	<13.0	ug/kg	54.5	13.0	1	12/16/20 08:30	12/16/20 17:21	75-27-4	
Bromoform	<240	ug/kg	272	240	1	12/16/20 08:30	12/16/20 17:21	75-25-2	
Bromomethane	<76.4	ug/kg	272	76.4	1	12/16/20 08:30	12/16/20 17:21	74-83-9	
Carbon tetrachloride	<12.0	ug/kg	54.5	12.0	1	12/16/20 08:30	12/16/20 17:21	56-23-5	
Chlorobenzene	<6.5	ug/kg	54.5	6.5	1	12/16/20 08:30	12/16/20 17:21	108-90-7	
Chloroethane	<23.0	ug/kg	272	23.0	1	12/16/20 08:30	12/16/20 17:21	75-00-3	
Chloroform	<39.0	ug/kg	272	39.0	1	12/16/20 08:30	12/16/20 17:21	67-66-3	
Chloromethane	<20.7	ug/kg	54.5	20.7	1	12/16/20 08:30	12/16/20 17:21	74-87-3	
Dibromochloromethane	<186	ug/kg	272	186	1	12/16/20 08:30	12/16/20 17:21	124-48-1	
Dibromomethane	<16.1	ug/kg	54.5	16.1	1	12/16/20 08:30	12/16/20 17:21	74-95-3	
Dichlorodifluoromethane	<23.4	ug/kg	54.5	23.4	1	12/16/20 08:30	12/16/20 17:21	75-71-8	L1
Diisopropyl ether	<13.5	ug/kg	54.5	13.5	1	12/16/20 08:30	12/16/20 17:21	108-20-3	
Ethylbenzene	<13.0	ug/kg	54.5	13.0	1	12/16/20 08:30	12/16/20 17:21	100-41-4	
Hexachloro-1,3-butadiene	<108	ug/kg	272	108	1	12/16/20 08:30	12/16/20 17:21	87-68-3	
Isopropylbenzene (Cumene)	<14.7	ug/kg	54.5	14.7	1	12/16/20 08:30	12/16/20 17:21	98-82-8	
Methyl-tert-butyl ether	<16.0	ug/kg	54.5	16.0	1	12/16/20 08:30	12/16/20 17:21	1634-04-4	
Methylene Chloride	<15.1	ug/kg	54.5	15.1	1	12/16/20 08:30	12/16/20 17:21	75-09-2	
Naphthalene	<17.0	ug/kg	272	17.0	1	12/16/20 08:30	12/16/20 17:21	91-20-3	

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-6 14-15 **Lab ID: 40219775013** Collected: 12/11/20 11:25 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<13.9	ug/kg	54.5	13.9	1	12/16/20 08:30	12/16/20 17:21	100-42-5	
Tetrachloroethene	<21.1	ug/kg	54.5	21.1	1	12/16/20 08:30	12/16/20 17:21	127-18-4	
Toluene	<13.7	ug/kg	54.5	13.7	1	12/16/20 08:30	12/16/20 17:21	108-88-3	
Trichloroethene	<20.4	ug/kg	54.5	20.4	1	12/16/20 08:30	12/16/20 17:21	79-01-6	
Trichlorofluoromethane	<15.8	ug/kg	54.5	15.8	1	12/16/20 08:30	12/16/20 17:21	75-69-4	
Vinyl chloride	<11.0	ug/kg	54.5	11.0	1	12/16/20 08:30	12/16/20 17:21	75-01-4	
Xylene (Total)	<39.3	ug/kg	163	39.3	1	12/16/20 08:30	12/16/20 17:21	1330-20-7	
cis-1,2-Dichloroethene	<11.7	ug/kg	54.5	11.7	1	12/16/20 08:30	12/16/20 17:21	156-59-2	
cis-1,3-Dichloropropene	<35.9	ug/kg	272	35.9	1	12/16/20 08:30	12/16/20 17:21	10061-01-5	
n-Butylbenzene	<24.9	ug/kg	54.5	24.9	1	12/16/20 08:30	12/16/20 17:21	104-51-8	
n-Propylbenzene	<13.1	ug/kg	54.5	13.1	1	12/16/20 08:30	12/16/20 17:21	103-65-1	
p-Isopropyltoluene	<16.6	ug/kg	54.5	16.6	1	12/16/20 08:30	12/16/20 17:21	99-87-6	
sec-Butylbenzene	<13.3	ug/kg	54.5	13.3	1	12/16/20 08:30	12/16/20 17:21	135-98-8	
tert-Butylbenzene	<17.1	ug/kg	54.5	17.1	1	12/16/20 08:30	12/16/20 17:21	98-06-6	
trans-1,2-Dichloroethene	<11.8	ug/kg	54.5	11.8	1	12/16/20 08:30	12/16/20 17:21	156-60-5	
trans-1,3-Dichloropropene	<156	ug/kg	272	156	1	12/16/20 08:30	12/16/20 17:21	10061-02-6	
Surrogates									
Toluene-d8 (S)	101	%	56-140		1	12/16/20 08:30	12/16/20 17:21	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	12/16/20 08:30	12/16/20 17:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	50-150		1	12/16/20 08:30	12/16/20 17:21	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.2	%	0.10	0.10	1		12/15/20 08:50		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-7 4-5 Lab ID: 40219775014 Collected: 12/11/20 12:00 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.7	ug/kg	61.1	14.7	1	12/16/20 08:30	12/16/20 17:41	630-20-6	
1,1,1-Trichloroethane	<15.6	ug/kg	61.1	15.6	1	12/16/20 08:30	12/16/20 17:41	71-55-6	
1,1,2,2-Tetrachloroethane	<22.1	ug/kg	61.1	22.1	1	12/16/20 08:30	12/16/20 17:41	79-34-5	
1,1,2-Trichloroethane	<22.2	ug/kg	61.1	22.2	1	12/16/20 08:30	12/16/20 17:41	79-00-5	
1,1-Dichloroethane	<15.6	ug/kg	61.1	15.6	1	12/16/20 08:30	12/16/20 17:41	75-34-3	
1,1-Dichloroethene	<20.3	ug/kg	61.1	20.3	1	12/16/20 08:30	12/16/20 17:41	75-35-4	
1,1-Dichloropropene	<19.8	ug/kg	61.1	19.8	1	12/16/20 08:30	12/16/20 17:41	563-58-6	
1,2,3-Trichlorobenzene	<68.1	ug/kg	305	68.1	1	12/16/20 08:30	12/16/20 17:41	87-61-6	
1,2,3-Trichloropropane	<29.7	ug/kg	61.1	29.7	1	12/16/20 08:30	12/16/20 17:41	96-18-4	
1,2,4-Trichlorobenzene	<50.3	ug/kg	305	50.3	1	12/16/20 08:30	12/16/20 17:41	120-82-1	
1,2,4-Trimethylbenzene	<18.2	ug/kg	61.1	18.2	1	12/16/20 08:30	12/16/20 17:41	95-63-6	
1,2-Dibromo-3-chloropropane	<47.4	ug/kg	305	47.4	1	12/16/20 08:30	12/16/20 17:41	96-12-8	
1,2-Dibromoethane (EDB)	<16.7	ug/kg	61.1	16.7	1	12/16/20 08:30	12/16/20 17:41	106-93-4	
1,2-Dichlorobenzene	<18.9	ug/kg	61.1	18.9	1	12/16/20 08:30	12/16/20 17:41	95-50-1	
1,2-Dichloroethane	<14.1	ug/kg	61.1	14.1	1	12/16/20 08:30	12/16/20 17:41	107-06-2	
1,2-Dichloropropane	<14.5	ug/kg	61.1	14.5	1	12/16/20 08:30	12/16/20 17:41	78-87-5	
1,3,5-Trimethylbenzene	<19.7	ug/kg	61.1	19.7	1	12/16/20 08:30	12/16/20 17:41	108-67-8	
1,3-Dichlorobenzene	<16.7	ug/kg	61.1	16.7	1	12/16/20 08:30	12/16/20 17:41	541-73-1	
1,3-Dichloropropane	<13.3	ug/kg	61.1	13.3	1	12/16/20 08:30	12/16/20 17:41	142-28-9	
1,4-Dichlorobenzene	<16.7	ug/kg	61.1	16.7	1	12/16/20 08:30	12/16/20 17:41	106-46-7	
2,2-Dichloropropane	<16.5	ug/kg	61.1	16.5	1	12/16/20 08:30	12/16/20 17:41	594-20-7	
2-Chlorotoluene	<19.8	ug/kg	61.1	19.8	1	12/16/20 08:30	12/16/20 17:41	95-49-8	
4-Chlorotoluene	<23.2	ug/kg	61.1	23.2	1	12/16/20 08:30	12/16/20 17:41	106-43-4	
Benzene	<14.5	ug/kg	24.4	14.5	1	12/16/20 08:30	12/16/20 17:41	71-43-2	
Bromobenzene	<23.8	ug/kg	61.1	23.8	1	12/16/20 08:30	12/16/20 17:41	108-86-1	
Bromochloromethane	<16.7	ug/kg	61.1	16.7	1	12/16/20 08:30	12/16/20 17:41	74-97-5	
Bromodichloromethane	<14.5	ug/kg	61.1	14.5	1	12/16/20 08:30	12/16/20 17:41	75-27-4	
Bromoform	<269	ug/kg	305	269	1	12/16/20 08:30	12/16/20 17:41	75-25-2	
Bromomethane	<85.7	ug/kg	305	85.7	1	12/16/20 08:30	12/16/20 17:41	74-83-9	
Carbon tetrachloride	<13.4	ug/kg	61.1	13.4	1	12/16/20 08:30	12/16/20 17:41	56-23-5	
Chlorobenzene	<7.3	ug/kg	61.1	7.3	1	12/16/20 08:30	12/16/20 17:41	108-90-7	
Chloroethane	<25.8	ug/kg	305	25.8	1	12/16/20 08:30	12/16/20 17:41	75-00-3	
Chloroform	<43.7	ug/kg	305	43.7	1	12/16/20 08:30	12/16/20 17:41	67-66-3	
Chloromethane	<23.2	ug/kg	61.1	23.2	1	12/16/20 08:30	12/16/20 17:41	74-87-3	
Dibromochloromethane	<209	ug/kg	305	209	1	12/16/20 08:30	12/16/20 17:41	124-48-1	
Dibromomethane	<18.1	ug/kg	61.1	18.1	1	12/16/20 08:30	12/16/20 17:41	74-95-3	
Dichlorodifluoromethane	<26.3	ug/kg	61.1	26.3	1	12/16/20 08:30	12/16/20 17:41	75-71-8	L1
Diisopropyl ether	<15.2	ug/kg	61.1	15.2	1	12/16/20 08:30	12/16/20 17:41	108-20-3	
Ethylbenzene	<14.5	ug/kg	61.1	14.5	1	12/16/20 08:30	12/16/20 17:41	100-41-4	
Hexachloro-1,3-butadiene	<121	ug/kg	305	121	1	12/16/20 08:30	12/16/20 17:41	87-68-3	
Isopropylbenzene (Cumene)	<16.5	ug/kg	61.1	16.5	1	12/16/20 08:30	12/16/20 17:41	98-82-8	
Methyl-tert-butyl ether	<18.0	ug/kg	61.1	18.0	1	12/16/20 08:30	12/16/20 17:41	1634-04-4	
Methylene Chloride	<17.0	ug/kg	61.1	17.0	1	12/16/20 08:30	12/16/20 17:41	75-09-2	
Naphthalene	<19.1	ug/kg	305	19.1	1	12/16/20 08:30	12/16/20 17:41	91-20-3	

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-7 4-5 **Lab ID: 40219775014** Collected: 12/11/20 12:00 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<15.6	ug/kg	61.1	15.6	1	12/16/20 08:30	12/16/20 17:41	100-42-5	
Tetrachloroethene	<23.7	ug/kg	61.1	23.7	1	12/16/20 08:30	12/16/20 17:41	127-18-4	
Toluene	<15.4	ug/kg	61.1	15.4	1	12/16/20 08:30	12/16/20 17:41	108-88-3	
Trichloroethene	<22.8	ug/kg	61.1	22.8	1	12/16/20 08:30	12/16/20 17:41	79-01-6	
Trichlorofluoromethane	<17.7	ug/kg	61.1	17.7	1	12/16/20 08:30	12/16/20 17:41	75-69-4	
Vinyl chloride	<12.3	ug/kg	61.1	12.3	1	12/16/20 08:30	12/16/20 17:41	75-01-4	
Xylene (Total)	<44.1	ug/kg	183	44.1	1	12/16/20 08:30	12/16/20 17:41	1330-20-7	
cis-1,2-Dichloroethene	<13.1	ug/kg	61.1	13.1	1	12/16/20 08:30	12/16/20 17:41	156-59-2	
cis-1,3-Dichloropropene	<40.3	ug/kg	305	40.3	1	12/16/20 08:30	12/16/20 17:41	10061-01-5	
n-Butylbenzene	<28.0	ug/kg	61.1	28.0	1	12/16/20 08:30	12/16/20 17:41	104-51-8	
n-Propylbenzene	<14.7	ug/kg	61.1	14.7	1	12/16/20 08:30	12/16/20 17:41	103-65-1	
p-Isopropyltoluene	<18.6	ug/kg	61.1	18.6	1	12/16/20 08:30	12/16/20 17:41	99-87-6	
sec-Butylbenzene	<14.9	ug/kg	61.1	14.9	1	12/16/20 08:30	12/16/20 17:41	135-98-8	
tert-Butylbenzene	<19.2	ug/kg	61.1	19.2	1	12/16/20 08:30	12/16/20 17:41	98-06-6	
trans-1,2-Dichloroethene	<13.2	ug/kg	61.1	13.2	1	12/16/20 08:30	12/16/20 17:41	156-60-5	
trans-1,3-Dichloropropene	<175	ug/kg	305	175	1	12/16/20 08:30	12/16/20 17:41	10061-02-6	
Surrogates									
Toluene-d8 (S)	99	%	56-140		1	12/16/20 08:30	12/16/20 17:41	2037-26-5	
4-Bromofluorobenzene (S)	100	%	52-137		1	12/16/20 08:30	12/16/20 17:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	50-150		1	12/16/20 08:30	12/16/20 17:41	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	18.2	%	0.10	0.10	1		12/15/20 08:50		

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Sample: GB-7 8-9 Lab ID: 40219775015 Collected: 12/11/20 12:05 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.0	ug/kg	58.3	14.0	1	12/16/20 08:30	12/16/20 18:00	630-20-6	
1,1,1-Trichloroethane	<14.9	ug/kg	58.3	14.9	1	12/16/20 08:30	12/16/20 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	<21.1	ug/kg	58.3	21.1	1	12/16/20 08:30	12/16/20 18:00	79-34-5	
1,1,2-Trichloroethane	<21.2	ug/kg	58.3	21.2	1	12/16/20 08:30	12/16/20 18:00	79-00-5	
1,1-Dichloroethane	<14.9	ug/kg	58.3	14.9	1	12/16/20 08:30	12/16/20 18:00	75-34-3	
1,1-Dichloroethene	<19.4	ug/kg	58.3	19.4	1	12/16/20 08:30	12/16/20 18:00	75-35-4	
1,1-Dichloropropene	<18.9	ug/kg	58.3	18.9	1	12/16/20 08:30	12/16/20 18:00	563-58-6	
1,2,3-Trichlorobenzene	<65.0	ug/kg	292	65.0	1	12/16/20 08:30	12/16/20 18:00	87-61-6	
1,2,3-Trichloropropane	<28.3	ug/kg	58.3	28.3	1	12/16/20 08:30	12/16/20 18:00	96-18-4	
1,2,4-Trichlorobenzene	<48.1	ug/kg	292	48.1	1	12/16/20 08:30	12/16/20 18:00	120-82-1	
1,2,4-Trimethylbenzene	<17.4	ug/kg	58.3	17.4	1	12/16/20 08:30	12/16/20 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	<45.3	ug/kg	292	45.3	1	12/16/20 08:30	12/16/20 18:00	96-12-8	
1,2-Dibromoethane (EDB)	<16.0	ug/kg	58.3	16.0	1	12/16/20 08:30	12/16/20 18:00	106-93-4	
1,2-Dichlorobenzene	<18.1	ug/kg	58.3	18.1	1	12/16/20 08:30	12/16/20 18:00	95-50-1	
1,2-Dichloroethane	<13.4	ug/kg	58.3	13.4	1	12/16/20 08:30	12/16/20 18:00	107-06-2	
1,2-Dichloropropane	<13.9	ug/kg	58.3	13.9	1	12/16/20 08:30	12/16/20 18:00	78-87-5	
1,3,5-Trimethylbenzene	<18.8	ug/kg	58.3	18.8	1	12/16/20 08:30	12/16/20 18:00	108-67-8	
1,3-Dichlorobenzene	<16.0	ug/kg	58.3	16.0	1	12/16/20 08:30	12/16/20 18:00	541-73-1	
1,3-Dichloropropane	<12.7	ug/kg	58.3	12.7	1	12/16/20 08:30	12/16/20 18:00	142-28-9	
1,4-Dichlorobenzene	<16.0	ug/kg	58.3	16.0	1	12/16/20 08:30	12/16/20 18:00	106-46-7	
2,2-Dichloropropane	<15.7	ug/kg	58.3	15.7	1	12/16/20 08:30	12/16/20 18:00	594-20-7	
2-Chlorotoluene	<18.9	ug/kg	58.3	18.9	1	12/16/20 08:30	12/16/20 18:00	95-49-8	
4-Chlorotoluene	<22.2	ug/kg	58.3	22.2	1	12/16/20 08:30	12/16/20 18:00	106-43-4	
Benzene	<13.9	ug/kg	23.3	13.9	1	12/16/20 08:30	12/16/20 18:00	71-43-2	
Bromobenzene	<22.7	ug/kg	58.3	22.7	1	12/16/20 08:30	12/16/20 18:00	108-86-1	
Bromochloromethane	<16.0	ug/kg	58.3	16.0	1	12/16/20 08:30	12/16/20 18:00	74-97-5	
Bromodichloromethane	<13.9	ug/kg	58.3	13.9	1	12/16/20 08:30	12/16/20 18:00	75-27-4	
Bromoform	<257	ug/kg	292	257	1	12/16/20 08:30	12/16/20 18:00	75-25-2	
Bromomethane	<81.8	ug/kg	292	81.8	1	12/16/20 08:30	12/16/20 18:00	74-83-9	
Carbon tetrachloride	<12.8	ug/kg	58.3	12.8	1	12/16/20 08:30	12/16/20 18:00	56-23-5	
Chlorobenzene	<7.0	ug/kg	58.3	7.0	1	12/16/20 08:30	12/16/20 18:00	108-90-7	
Chloroethane	<24.6	ug/kg	292	24.6	1	12/16/20 08:30	12/16/20 18:00	75-00-3	
Chloroform	<41.8	ug/kg	292	41.8	1	12/16/20 08:30	12/16/20 18:00	67-66-3	
Chloromethane	<22.2	ug/kg	58.3	22.2	1	12/16/20 08:30	12/16/20 18:00	74-87-3	
Dibromochloromethane	<199	ug/kg	292	199	1	12/16/20 08:30	12/16/20 18:00	124-48-1	
Dibromomethane	<17.3	ug/kg	58.3	17.3	1	12/16/20 08:30	12/16/20 18:00	74-95-3	
Dichlorodifluoromethane	<25.1	ug/kg	58.3	25.1	1	12/16/20 08:30	12/16/20 18:00	75-71-8	L1
Diisopropyl ether	<14.5	ug/kg	58.3	14.5	1	12/16/20 08:30	12/16/20 18:00	108-20-3	
Ethylbenzene	<13.9	ug/kg	58.3	13.9	1	12/16/20 08:30	12/16/20 18:00	100-41-4	
Hexachloro-1,3-butadiene	<116	ug/kg	292	116	1	12/16/20 08:30	12/16/20 18:00	87-68-3	
Isopropylbenzene (Cumene)	<15.7	ug/kg	58.3	15.7	1	12/16/20 08:30	12/16/20 18:00	98-82-8	
Methyl-tert-butyl ether	<17.1	ug/kg	58.3	17.1	1	12/16/20 08:30	12/16/20 18:00	1634-04-4	
Methylene Chloride	<16.2	ug/kg	58.3	16.2	1	12/16/20 08:30	12/16/20 18:00	75-09-2	
Naphthalene	<18.2	ug/kg	292	18.2	1	12/16/20 08:30	12/16/20 18:00	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: GB-7 8-9 **Lab ID: 40219775015** Collected: 12/11/20 12:05 Received: 12/12/20 08:45 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 Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<14.9	ug/kg	58.3	14.9	1	12/16/20 08:30	12/16/20 18:00	100-42-5	
Tetrachloroethene	<22.6	ug/kg	58.3	22.6	1	12/16/20 08:30	12/16/20 18:00	127-18-4	
Toluene	<14.7	ug/kg	58.3	14.7	1	12/16/20 08:30	12/16/20 18:00	108-88-3	
Trichloroethene	<21.8	ug/kg	58.3	21.8	1	12/16/20 08:30	12/16/20 18:00	79-01-6	
Trichlorofluoromethane	<16.9	ug/kg	58.3	16.9	1	12/16/20 08:30	12/16/20 18:00	75-69-4	
Vinyl chloride	<11.8	ug/kg	58.3	11.8	1	12/16/20 08:30	12/16/20 18:00	75-01-4	
Xylene (Total)	<42.1	ug/kg	175	42.1	1	12/16/20 08:30	12/16/20 18:00	1330-20-7	
cis-1,2-Dichloroethene	<12.5	ug/kg	58.3	12.5	1	12/16/20 08:30	12/16/20 18:00	156-59-2	
cis-1,3-Dichloropropene	<38.5	ug/kg	292	38.5	1	12/16/20 08:30	12/16/20 18:00	10061-01-5	
n-Butylbenzene	<26.7	ug/kg	58.3	26.7	1	12/16/20 08:30	12/16/20 18:00	104-51-8	
n-Propylbenzene	<14.0	ug/kg	58.3	14.0	1	12/16/20 08:30	12/16/20 18:00	103-65-1	
p-Isopropyltoluene	<17.7	ug/kg	58.3	17.7	1	12/16/20 08:30	12/16/20 18:00	99-87-6	
sec-Butylbenzene	<14.2	ug/kg	58.3	14.2	1	12/16/20 08:30	12/16/20 18:00	135-98-8	
tert-Butylbenzene	<18.3	ug/kg	58.3	18.3	1	12/16/20 08:30	12/16/20 18:00	98-06-6	
trans-1,2-Dichloroethene	<12.6	ug/kg	58.3	12.6	1	12/16/20 08:30	12/16/20 18:00	156-60-5	
trans-1,3-Dichloropropene	<167	ug/kg	292	167	1	12/16/20 08:30	12/16/20 18:00	10061-02-6	
Surrogates									
Toluene-d8 (S)	88	%	56-140		1	12/16/20 08:30	12/16/20 18:00	2037-26-5	
4-Bromofluorobenzene (S)	87	%	52-137		1	12/16/20 08:30	12/16/20 18:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	92	%	50-150		1	12/16/20 08:30	12/16/20 18:00	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	14.3	%	0.10	0.10	1		12/15/20 09:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: TRIP BLANK **Lab ID: 40219775016** Collected: 12/11/20 00:00 Received: 12/12/20 08:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<12.0	ug/kg	50.0	12.0	1	12/16/20 08:45	12/16/20 20:16	630-20-6	
1,1,1-Trichloroethane	<12.8	ug/kg	50.0	12.8	1	12/16/20 08:45	12/16/20 20:16	71-55-6	
1,1,2,2-Tetrachloroethane	<18.1	ug/kg	50.0	18.1	1	12/16/20 08:45	12/16/20 20:16	79-34-5	
1,1,2-Trichloroethane	<18.2	ug/kg	50.0	18.2	1	12/16/20 08:45	12/16/20 20:16	79-00-5	
1,1-Dichloroethane	<12.8	ug/kg	50.0	12.8	1	12/16/20 08:45	12/16/20 20:16	75-34-3	
1,1-Dichloroethene	<16.6	ug/kg	50.0	16.6	1	12/16/20 08:45	12/16/20 20:16	75-35-4	
1,1-Dichloropropene	<16.2	ug/kg	50.0	16.2	1	12/16/20 08:45	12/16/20 20:16	563-58-6	
1,2,3-Trichlorobenzene	<55.7	ug/kg	250	55.7	1	12/16/20 08:45	12/16/20 20:16	87-61-6	
1,2,3-Trichloropropane	<24.3	ug/kg	50.0	24.3	1	12/16/20 08:45	12/16/20 20:16	96-18-4	
1,2,4-Trichlorobenzene	<41.2	ug/kg	250	41.2	1	12/16/20 08:45	12/16/20 20:16	120-82-1	
1,2,4-Trimethylbenzene	<14.9	ug/kg	50.0	14.9	1	12/16/20 08:45	12/16/20 20:16	95-63-6	
1,2-Dibromo-3-chloropropane	<38.8	ug/kg	250	38.8	1	12/16/20 08:45	12/16/20 20:16	96-12-8	
1,2-Dibromoethane (EDB)	<13.7	ug/kg	50.0	13.7	1	12/16/20 08:45	12/16/20 20:16	106-93-4	
1,2-Dichlorobenzene	<15.5	ug/kg	50.0	15.5	1	12/16/20 08:45	12/16/20 20:16	95-50-1	
1,2-Dichloroethane	<11.5	ug/kg	50.0	11.5	1	12/16/20 08:45	12/16/20 20:16	107-06-2	
1,2-Dichloropropane	<11.9	ug/kg	50.0	11.9	1	12/16/20 08:45	12/16/20 20:16	78-87-5	
1,3,5-Trimethylbenzene	<16.1	ug/kg	50.0	16.1	1	12/16/20 08:45	12/16/20 20:16	108-67-8	
1,3-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	12/16/20 08:45	12/16/20 20:16	541-73-1	
1,3-Dichloropropane	<10.9	ug/kg	50.0	10.9	1	12/16/20 08:45	12/16/20 20:16	142-28-9	
1,4-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	12/16/20 08:45	12/16/20 20:16	106-46-7	
2,2-Dichloropropane	<13.5	ug/kg	50.0	13.5	1	12/16/20 08:45	12/16/20 20:16	594-20-7	
2-Chlorotoluene	<16.2	ug/kg	50.0	16.2	1	12/16/20 08:45	12/16/20 20:16	95-49-8	
4-Chlorotoluene	<19.0	ug/kg	50.0	19.0	1	12/16/20 08:45	12/16/20 20:16	106-43-4	
Benzene	<11.9	ug/kg	20.0	11.9	1	12/16/20 08:45	12/16/20 20:16	71-43-2	
Bromobenzene	<19.5	ug/kg	50.0	19.5	1	12/16/20 08:45	12/16/20 20:16	108-86-1	
Bromochloromethane	<13.7	ug/kg	50.0	13.7	1	12/16/20 08:45	12/16/20 20:16	74-97-5	
Bromodichloromethane	<11.9	ug/kg	50.0	11.9	1	12/16/20 08:45	12/16/20 20:16	75-27-4	
Bromoform	<220	ug/kg	250	220	1	12/16/20 08:45	12/16/20 20:16	75-25-2	
Bromomethane	<70.1	ug/kg	250	70.1	1	12/16/20 08:45	12/16/20 20:16	74-83-9	
Carbon tetrachloride	<11.0	ug/kg	50.0	11.0	1	12/16/20 08:45	12/16/20 20:16	56-23-5	
Chlorobenzene	<6.0	ug/kg	50.0	6.0	1	12/16/20 08:45	12/16/20 20:16	108-90-7	
Chloroethane	<21.1	ug/kg	250	21.1	1	12/16/20 08:45	12/16/20 20:16	75-00-3	
Chloroform	<35.8	ug/kg	250	35.8	1	12/16/20 08:45	12/16/20 20:16	67-66-3	
Chloromethane	<19.0	ug/kg	50.0	19.0	1	12/16/20 08:45	12/16/20 20:16	74-87-3	
Dibromochloromethane	<171	ug/kg	250	171	1	12/16/20 08:45	12/16/20 20:16	124-48-1	
Dibromomethane	<14.8	ug/kg	50.0	14.8	1	12/16/20 08:45	12/16/20 20:16	74-95-3	
Dichlorodifluoromethane	<21.5	ug/kg	50.0	21.5	1	12/16/20 08:45	12/16/20 20:16	75-71-8	L1
Diisopropyl ether	<12.4	ug/kg	50.0	12.4	1	12/16/20 08:45	12/16/20 20:16	108-20-3	
Ethylbenzene	<11.9	ug/kg	50.0	11.9	1	12/16/20 08:45	12/16/20 20:16	100-41-4	
Hexachloro-1,3-butadiene	<99.4	ug/kg	250	99.4	1	12/16/20 08:45	12/16/20 20:16	87-68-3	
Isopropylbenzene (Cumene)	<13.5	ug/kg	50.0	13.5	1	12/16/20 08:45	12/16/20 20:16	98-82-8	
Methyl-tert-butyl ether	<14.7	ug/kg	50.0	14.7	1	12/16/20 08:45	12/16/20 20:16	1634-04-4	
Methylene Chloride	<13.9	ug/kg	50.0	13.9	1	12/16/20 08:45	12/16/20 20:16	75-09-2	
Naphthalene	<15.6	ug/kg	250	15.6	1	12/16/20 08:45	12/16/20 20:16	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

Sample: TRIP BLANK **Lab ID: 40219775016** Collected: 12/11/20 00:00 Received: 12/12/20 08:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<12.8	ug/kg	50.0	12.8	1	12/16/20 08:45	12/16/20 20:16	100-42-5	
Tetrachloroethene	<19.4	ug/kg	50.0	19.4	1	12/16/20 08:45	12/16/20 20:16	127-18-4	
Toluene	<12.6	ug/kg	50.0	12.6	1	12/16/20 08:45	12/16/20 20:16	108-88-3	
Trichloroethene	<18.7	ug/kg	50.0	18.7	1	12/16/20 08:45	12/16/20 20:16	79-01-6	
Trichlorofluoromethane	<14.5	ug/kg	50.0	14.5	1	12/16/20 08:45	12/16/20 20:16	75-69-4	
Vinyl chloride	<10.1	ug/kg	50.0	10.1	1	12/16/20 08:45	12/16/20 20:16	75-01-4	
Xylene (Total)	<36.1	ug/kg	150	36.1	1	12/16/20 08:45	12/16/20 20:16	1330-20-7	
cis-1,2-Dichloroethene	<10.7	ug/kg	50.0	10.7	1	12/16/20 08:45	12/16/20 20:16	156-59-2	
cis-1,3-Dichloropropene	<33.0	ug/kg	250	33.0	1	12/16/20 08:45	12/16/20 20:16	10061-01-5	
n-Butylbenzene	<22.9	ug/kg	50.0	22.9	1	12/16/20 08:45	12/16/20 20:16	104-51-8	
n-Propylbenzene	<12.0	ug/kg	50.0	12.0	1	12/16/20 08:45	12/16/20 20:16	103-65-1	
p-Isopropyltoluene	<15.2	ug/kg	50.0	15.2	1	12/16/20 08:45	12/16/20 20:16	99-87-6	
sec-Butylbenzene	<12.2	ug/kg	50.0	12.2	1	12/16/20 08:45	12/16/20 20:16	135-98-8	
tert-Butylbenzene	<15.7	ug/kg	50.0	15.7	1	12/16/20 08:45	12/16/20 20:16	98-06-6	
trans-1,2-Dichloroethene	<10.8	ug/kg	50.0	10.8	1	12/16/20 08:45	12/16/20 20:16	156-60-5	
trans-1,3-Dichloropropene	<143	ug/kg	250	143	1	12/16/20 08:45	12/16/20 20:16	10061-02-6	
Surrogates									
Toluene-d8 (S)	99	%	56-140		1	12/16/20 08:45	12/16/20 20:16	2037-26-5	
4-Bromofluorobenzene (S)	99	%	52-137		1	12/16/20 08:45	12/16/20 20:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	50-150		1	12/16/20 08:45	12/16/20 20:16	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

QC Batch: 373787 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40219775001, 40219775002, 40219775003, 40219775004, 40219775005, 40219775006, 40219775007, 40219775008, 40219775009, 40219775010, 40219775011, 40219775012

METHOD BLANK: 2160209 Matrix: Solid
Associated Lab Samples: 40219775001, 40219775002, 40219775003, 40219775004, 40219775005, 40219775006, 40219775007, 40219775008, 40219775009, 40219775010, 40219775011, 40219775012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	12/15/20 09:09	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	12/15/20 09:09	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	12/15/20 09:09	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	12/15/20 09:09	
1,1-Dichloroethane	ug/kg	<12.8	50.0	12/15/20 09:09	
1,1-Dichloroethene	ug/kg	<16.6	50.0	12/15/20 09:09	
1,1-Dichloropropene	ug/kg	<16.2	50.0	12/15/20 09:09	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	12/15/20 09:09	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	12/15/20 09:09	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	12/15/20 09:09	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	12/15/20 09:09	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	12/15/20 09:09	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	12/15/20 09:09	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	12/15/20 09:09	
1,2-Dichloroethane	ug/kg	<11.5	50.0	12/15/20 09:09	
1,2-Dichloropropane	ug/kg	<11.9	50.0	12/15/20 09:09	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	12/15/20 09:09	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	12/15/20 09:09	
1,3-Dichloropropane	ug/kg	<10.9	50.0	12/15/20 09:09	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	12/15/20 09:09	
2,2-Dichloropropane	ug/kg	<13.5	50.0	12/15/20 09:09	
2-Chlorotoluene	ug/kg	<16.2	50.0	12/15/20 09:09	
4-Chlorotoluene	ug/kg	<19.0	50.0	12/15/20 09:09	
Benzene	ug/kg	<11.9	20.0	12/15/20 09:09	
Bromobenzene	ug/kg	<19.5	50.0	12/15/20 09:09	
Bromochloromethane	ug/kg	<13.7	50.0	12/15/20 09:09	
Bromodichloromethane	ug/kg	<11.9	50.0	12/15/20 09:09	
Bromoform	ug/kg	<220	250	12/15/20 09:09	
Bromomethane	ug/kg	<70.1	250	12/15/20 09:09	
Carbon tetrachloride	ug/kg	<11.0	50.0	12/15/20 09:09	
Chlorobenzene	ug/kg	<6.0	50.0	12/15/20 09:09	
Chloroethane	ug/kg	<21.1	250	12/15/20 09:09	
Chloroform	ug/kg	<35.8	250	12/15/20 09:09	
Chloromethane	ug/kg	<19.0	50.0	12/15/20 09:09	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	12/15/20 09:09	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	12/15/20 09:09	
Dibromochloromethane	ug/kg	<171	250	12/15/20 09:09	
Dibromomethane	ug/kg	<14.8	50.0	12/15/20 09:09	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	12/15/20 09:09	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

METHOD BLANK: 2160209

Matrix: Solid

Associated Lab Samples: 40219775001, 40219775002, 40219775003, 40219775004, 40219775005, 40219775006, 40219775007, 40219775008, 40219775009, 40219775010, 40219775011, 40219775012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<12.4	50.0	12/15/20 09:09	
Ethylbenzene	ug/kg	<11.9	50.0	12/15/20 09:09	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	12/15/20 09:09	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	12/15/20 09:09	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	12/15/20 09:09	
Methylene Chloride	ug/kg	<13.9	50.0	12/15/20 09:09	
n-Butylbenzene	ug/kg	<22.9	50.0	12/15/20 09:09	
n-Propylbenzene	ug/kg	<12.0	50.0	12/15/20 09:09	
Naphthalene	ug/kg	<15.6	250	12/15/20 09:09	
p-Isopropyltoluene	ug/kg	<15.2	50.0	12/15/20 09:09	
sec-Butylbenzene	ug/kg	<12.2	50.0	12/15/20 09:09	
Styrene	ug/kg	<12.8	50.0	12/15/20 09:09	
tert-Butylbenzene	ug/kg	<15.7	50.0	12/15/20 09:09	
Tetrachloroethene	ug/kg	<19.4	50.0	12/15/20 09:09	
Toluene	ug/kg	<12.6	50.0	12/15/20 09:09	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	12/15/20 09:09	
trans-1,3-Dichloropropene	ug/kg	<143	250	12/15/20 09:09	
Trichloroethene	ug/kg	<18.7	50.0	12/15/20 09:09	
Trichlorofluoromethane	ug/kg	<14.5	50.0	12/15/20 09:09	
Vinyl chloride	ug/kg	<10.1	50.0	12/15/20 09:09	
Xylene (Total)	ug/kg	<36.1	150	12/15/20 09:09	
1,2-Dichlorobenzene-d4 (S)	%	88	50-150	12/15/20 09:09	
4-Bromofluorobenzene (S)	%	84	52-137	12/15/20 09:09	
Toluene-d8 (S)	%	89	56-140	12/15/20 09:09	

LABORATORY CONTROL SAMPLE: 2160210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2320	93	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	1910	76	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2000	80	70-130	
1,1-Dichloroethane	ug/kg	2500	2420	97	69-143	
1,1-Dichloroethene	ug/kg	2500	2200	88	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	1920	77	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1650	66	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2010	80	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2010	80	70-130	
1,2-Dichloroethane	ug/kg	2500	2390	96	70-130	
1,2-Dichloropropane	ug/kg	2500	2120	85	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2090	84	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2100	84	70-130	
Benzene	ug/kg	2500	2100	84	70-130	
Bromodichloromethane	ug/kg	2500	2230	89	70-130	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

LABORATORY CONTROL SAMPLE: 2160210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	1860	74	67-130	
Bromomethane	ug/kg	2500	2080	83	45-134	
Carbon tetrachloride	ug/kg	2500	2580	103	70-130	
Chlorobenzene	ug/kg	2500	2140	85	70-130	
Chloroethane	ug/kg	2500	3090	124	58-143	
Chloroform	ug/kg	2500	2260	90	76-122	
Chloromethane	ug/kg	2500	1830	73	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	1990	79	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2070	83	70-130	
Dibromochloromethane	ug/kg	2500	2030	81	70-130	
Dichlorodifluoromethane	ug/kg	2500	2390	95	26-99	
Ethylbenzene	ug/kg	2500	2060	82	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2130	85	70-130	
Methyl-tert-butyl ether	ug/kg	2500	1910	76	70-130	
Methylene Chloride	ug/kg	2500	2040	82	70-130	
Styrene	ug/kg	2500	2060	83	70-130	
Tetrachloroethene	ug/kg	2500	2180	87	70-130	
Toluene	ug/kg	2500	2050	82	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2100	84	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	1930	77	70-130	
Trichloroethene	ug/kg	2500	2270	91	70-130	
Trichlorofluoromethane	ug/kg	2500	2900	116	70-128	
Vinyl chloride	ug/kg	2500	2190	88	53-110	
Xylene (Total)	ug/kg	7500	6030	80	70-130	
1,2-Dichlorobenzene-d4 (S)	%			87	50-150	
4-Bromofluorobenzene (S)	%			86	52-137	
Toluene-d8 (S)	%			87	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160211 2160212

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40219775009	Result	Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/kg	<15.9	1560	1560	1600	1560	103	101	66-130	3	20		
1,1,2,2-Tetrachloroethane	ug/kg	<22.5	1560	1560	1400	1380	90	89	70-133	1	20		
1,1,2-Trichloroethane	ug/kg	<22.6	1560	1560	1510	1530	97	98	70-130	1	20		
1,1-Dichloroethane	ug/kg	<15.9	1560	1560	1700	1650	109	106	69-143	3	20		
1,1-Dichloroethene	ug/kg	<20.7	1560	1560	1440	1510	93	97	58-120	5	20		
1,2,4-Trichlorobenzene	ug/kg	<51.3	1560	1560	1640	1600	105	103	60-130	2	20		
1,2-Dibromo-3-chloropropane	ug/kg	<48.3	1560	1560	1330	1250	85	80	59-136	6	20		
1,2-Dibromoethane (EDB)	ug/kg	<17.0	1560	1560	1520	1560	97	100	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<19.3	1560	1560	1580	1590	102	102	70-130	1	20		
1,2-Dichloroethane	ug/kg	<14.3	1560	1560	1740	1770	112	114	70-136	1	20		
1,2-Dichloropropane	ug/kg	<14.8	1560	1560	1450	1500	93	97	78-128	4	20		
1,3-Dichlorobenzene	ug/kg	<17.0	1560	1560	1590	1560	102	100	70-130	2	20		

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Parameter	Units	2160211		2160212		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40219775009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,4-Dichlorobenzene	ug/kg	<17.0	1560	1560	1640	1660	106	107	70-130	1	20		
Benzene	ug/kg	<14.8	1560	1560	1510	1510	97	97	70-130	0	20		
Bromodichloromethane	ug/kg	<14.8	1560	1560	1600	1640	103	105	70-130	2	20		
Bromoform	ug/kg	<274	1560	1560	1340	1370	86	88	63-130	2	20		
Bromomethane	ug/kg	<87.2	1560	1560	1670	1700	108	109	33-146	2	20		
Carbon tetrachloride	ug/kg	<13.7	1560	1560	1640	1710	106	110	65-130	4	20		
Chlorobenzene	ug/kg	<7.5	1560	1560	1600	1610	103	104	70-130	0	20		
Chloroethane	ug/kg	<26.3	1560	1560	2570	2360	166	152	46-156	9	20	M1	
Chloroform	ug/kg	<44.5	1560	1560	1560	1590	100	102	75-130	2	20		
Chloromethane	ug/kg	<23.6	1560	1560	1490	1500	96	96	20-139	1	20		
cis-1,2-Dichloroethene	ug/kg	<13.3	1560	1560	1460	1460	94	94	69-130	0	20		
cis-1,3-Dichloropropene	ug/kg	<41.1	1560	1560	1440	1500	93	97	70-130	4	20		
Dibromochloromethane	ug/kg	<213	1560	1560	1480	1510	95	97	70-130	2	20		
Dichlorodifluoromethane	ug/kg	<26.8	1560	1560	2070	1900	133	122	10-99	9	22	M1	
Ethylbenzene	ug/kg	<14.8	1560	1560	1490	1490	96	96	80-120	0	20		
Isopropylbenzene (Cumene)	ug/kg	<16.8	1560	1560	1520	1520	98	98	70-130	0	20		
Methyl-tert-butyl ether	ug/kg	<18.3	1560	1560	1410	1480	91	95	70-130	5	20		
Methylene Chloride	ug/kg	<17.3	1560	1560	1470	1540	95	99	70-136	4	20		
Styrene	ug/kg	<15.9	1560	1560	1500	1470	96	95	70-130	2	20		
Tetrachloroethene	ug/kg	<24.1	1560	1560	1610	1590	104	102	68-130	2	20		
Toluene	ug/kg	<15.7	1560	1560	1480	1470	95	95	80-120	0	20		
trans-1,2-Dichloroethene	ug/kg	<13.4	1560	1560	1480	1520	95	98	70-130	2	20		
trans-1,3-Dichloropropene	ug/kg	<178	1560	1560	1440	1500	93	96	70-130	4	20		
Trichloroethene	ug/kg	<23.3	1560	1560	1580	1600	102	103	70-130	1	20		
Trichlorofluoromethane	ug/kg	<18.0	1560	1560	1950	1910	125	123	53-128	2	20		
Vinyl chloride	ug/kg	<12.6	1560	1560	1650	1640	106	105	32-118	1	20		
Xylene (Total)	ug/kg	<44.9	4670	4670	4380	4460	94	96	70-130	2	20		
1,2-Dichlorobenzene-d4 (S)	%						98	97	50-150				
4-Bromofluorobenzene (S)	%						96	92	52-137				
Toluene-d8 (S)	%						95	95	56-140				

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

QC Batch: 373927 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219775013, 40219775014, 40219775015

METHOD BLANK: 2160987 Matrix: Solid

Associated Lab Samples: 40219775013, 40219775014, 40219775015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	12/16/20 09:28	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	12/16/20 09:28	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	12/16/20 09:28	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	12/16/20 09:28	
1,1-Dichloroethane	ug/kg	<12.8	50.0	12/16/20 09:28	
1,1-Dichloroethene	ug/kg	<16.6	50.0	12/16/20 09:28	
1,1-Dichloropropene	ug/kg	<16.2	50.0	12/16/20 09:28	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	12/16/20 09:28	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	12/16/20 09:28	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	12/16/20 09:28	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	12/16/20 09:28	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	12/16/20 09:28	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	12/16/20 09:28	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	12/16/20 09:28	
1,2-Dichloroethane	ug/kg	<11.5	50.0	12/16/20 09:28	
1,2-Dichloropropane	ug/kg	<11.9	50.0	12/16/20 09:28	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	12/16/20 09:28	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	12/16/20 09:28	
1,3-Dichloropropane	ug/kg	<10.9	50.0	12/16/20 09:28	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	12/16/20 09:28	
2,2-Dichloropropane	ug/kg	<13.5	50.0	12/16/20 09:28	
2-Chlorotoluene	ug/kg	<16.2	50.0	12/16/20 09:28	
4-Chlorotoluene	ug/kg	<19.0	50.0	12/16/20 09:28	
Benzene	ug/kg	<11.9	20.0	12/16/20 09:28	
Bromobenzene	ug/kg	<19.5	50.0	12/16/20 09:28	
Bromochloromethane	ug/kg	<13.7	50.0	12/16/20 09:28	
Bromodichloromethane	ug/kg	<11.9	50.0	12/16/20 09:28	
Bromoform	ug/kg	<220	250	12/16/20 09:28	
Bromomethane	ug/kg	<70.1	250	12/16/20 09:28	
Carbon tetrachloride	ug/kg	<11.0	50.0	12/16/20 09:28	
Chlorobenzene	ug/kg	<6.0	50.0	12/16/20 09:28	
Chloroethane	ug/kg	<21.1	250	12/16/20 09:28	
Chloroform	ug/kg	<35.8	250	12/16/20 09:28	
Chloromethane	ug/kg	<19.0	50.0	12/16/20 09:28	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	12/16/20 09:28	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	12/16/20 09:28	
Dibromochloromethane	ug/kg	<171	250	12/16/20 09:28	
Dibromomethane	ug/kg	<14.8	50.0	12/16/20 09:28	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	12/16/20 09:28	
Diisopropyl ether	ug/kg	<12.4	50.0	12/16/20 09:28	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

METHOD BLANK: 2160987 Matrix: Solid
Associated Lab Samples: 40219775013, 40219775014, 40219775015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	12/16/20 09:28	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	12/16/20 09:28	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	12/16/20 09:28	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	12/16/20 09:28	
Methylene Chloride	ug/kg	<13.9	50.0	12/16/20 09:28	
n-Butylbenzene	ug/kg	<22.9	50.0	12/16/20 09:28	
n-Propylbenzene	ug/kg	<12.0	50.0	12/16/20 09:28	
Naphthalene	ug/kg	<15.6	250	12/16/20 09:28	
p-Isopropyltoluene	ug/kg	<15.2	50.0	12/16/20 09:28	
sec-Butylbenzene	ug/kg	<12.2	50.0	12/16/20 09:28	
Styrene	ug/kg	<12.8	50.0	12/16/20 09:28	
tert-Butylbenzene	ug/kg	<15.7	50.0	12/16/20 09:28	
Tetrachloroethene	ug/kg	<19.4	50.0	12/16/20 09:28	
Toluene	ug/kg	<12.6	50.0	12/16/20 09:28	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	12/16/20 09:28	
trans-1,3-Dichloropropene	ug/kg	<143	250	12/16/20 09:28	
Trichloroethene	ug/kg	<18.7	50.0	12/16/20 09:28	
Trichlorofluoromethane	ug/kg	<14.5	50.0	12/16/20 09:28	
Vinyl chloride	ug/kg	<10.1	50.0	12/16/20 09:28	
Xylene (Total)	ug/kg	<36.1	150	12/16/20 09:28	
1,2-Dichlorobenzene-d4 (S)	%	97	50-150	12/16/20 09:28	
4-Bromofluorobenzene (S)	%	92	52-137	12/16/20 09:28	
Toluene-d8 (S)	%	91	56-140	12/16/20 09:28	

LABORATORY CONTROL SAMPLE: 2160988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2740	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2100	84	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2710	108	69-143	
1,1-Dichloroethene	ug/kg	2500	2340	93	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2140	86	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2070	83	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2330	93	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2260	90	70-130	
1,2-Dichloroethane	ug/kg	2500	2610	105	70-130	
1,2-Dichloropropane	ug/kg	2500	2330	93	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2320	93	70-130	
Benzene	ug/kg	2500	2350	94	70-130	
Bromodichloromethane	ug/kg	2500	2510	101	70-130	
Bromoform	ug/kg	2500	2180	87	67-130	
Bromomethane	ug/kg	2500	2350	94	45-134	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

LABORATORY CONTROL SAMPLE: 2160988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2900	116	70-130	
Chlorobenzene	ug/kg	2500	2410	97	70-130	
Chloroethane	ug/kg	2500	2770	111	58-143	
Chloroform	ug/kg	2500	2460	99	76-122	
Chloromethane	ug/kg	2500	2060	83	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2230	89	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2390	96	70-130	
Dibromochloromethane	ug/kg	2500	2340	93	70-130	
Dichlorodifluoromethane	ug/kg	2500	2530	101	26-99	L1
Ethylbenzene	ug/kg	2500	2350	94	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2440	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2190	88	70-130	
Methylene Chloride	ug/kg	2500	2340	93	70-130	
Styrene	ug/kg	2500	2320	93	70-130	
Tetrachloroethene	ug/kg	2500	2550	102	70-130	
Toluene	ug/kg	2500	2290	91	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2300	92	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2270	91	70-130	
Trichloroethene	ug/kg	2500	2480	99	70-130	
Trichlorofluoromethane	ug/kg	2500	3140	126	70-128	
Vinyl chloride	ug/kg	2500	2520	101	53-110	
Xylene (Total)	ug/kg	7500	6970	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	50-150	
4-Bromofluorobenzene (S)	%			96	52-137	
Toluene-d8 (S)	%			98	56-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

QC Batch: 373937 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219775016

METHOD BLANK: 2161006 Matrix: Solid

Associated Lab Samples: 40219775016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	12/16/20 17:02	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	12/16/20 17:02	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	12/16/20 17:02	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	12/16/20 17:02	
1,1-Dichloroethane	ug/kg	<12.8	50.0	12/16/20 17:02	
1,1-Dichloroethene	ug/kg	<16.6	50.0	12/16/20 17:02	
1,1-Dichloropropene	ug/kg	<16.2	50.0	12/16/20 17:02	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	12/16/20 17:02	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	12/16/20 17:02	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	12/16/20 17:02	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	12/16/20 17:02	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	12/16/20 17:02	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	12/16/20 17:02	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	12/16/20 17:02	
1,2-Dichloroethane	ug/kg	<11.5	50.0	12/16/20 17:02	
1,2-Dichloropropane	ug/kg	<11.9	50.0	12/16/20 17:02	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	12/16/20 17:02	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	12/16/20 17:02	
1,3-Dichloropropane	ug/kg	<10.9	50.0	12/16/20 17:02	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	12/16/20 17:02	
2,2-Dichloropropane	ug/kg	<13.5	50.0	12/16/20 17:02	
2-Chlorotoluene	ug/kg	<16.2	50.0	12/16/20 17:02	
4-Chlorotoluene	ug/kg	<19.0	50.0	12/16/20 17:02	
Benzene	ug/kg	<11.9	20.0	12/16/20 17:02	
Bromobenzene	ug/kg	<19.5	50.0	12/16/20 17:02	
Bromochloromethane	ug/kg	<13.7	50.0	12/16/20 17:02	
Bromodichloromethane	ug/kg	<11.9	50.0	12/16/20 17:02	
Bromoform	ug/kg	<220	250	12/16/20 17:02	
Bromomethane	ug/kg	<70.1	250	12/16/20 17:02	
Carbon tetrachloride	ug/kg	<11.0	50.0	12/16/20 17:02	
Chlorobenzene	ug/kg	<6.0	50.0	12/16/20 17:02	
Chloroethane	ug/kg	<21.1	250	12/16/20 17:02	
Chloroform	ug/kg	<35.8	250	12/16/20 17:02	
Chloromethane	ug/kg	<19.0	50.0	12/16/20 17:02	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	12/16/20 17:02	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	12/16/20 17:02	
Dibromochloromethane	ug/kg	<171	250	12/16/20 17:02	
Dibromomethane	ug/kg	<14.8	50.0	12/16/20 17:02	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	12/16/20 17:02	
Diisopropyl ether	ug/kg	<12.4	50.0	12/16/20 17:02	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

METHOD BLANK: 2161006 Matrix: Solid
Associated Lab Samples: 40219775016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	12/16/20 17:02	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	12/16/20 17:02	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	12/16/20 17:02	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	12/16/20 17:02	
Methylene Chloride	ug/kg	<13.9	50.0	12/16/20 17:02	
n-Butylbenzene	ug/kg	<22.9	50.0	12/16/20 17:02	
n-Propylbenzene	ug/kg	<12.0	50.0	12/16/20 17:02	
Naphthalene	ug/kg	<15.6	250	12/16/20 17:02	
p-Isopropyltoluene	ug/kg	<15.2	50.0	12/16/20 17:02	
sec-Butylbenzene	ug/kg	<12.2	50.0	12/16/20 17:02	
Styrene	ug/kg	<12.8	50.0	12/16/20 17:02	
tert-Butylbenzene	ug/kg	<15.7	50.0	12/16/20 17:02	
Tetrachloroethene	ug/kg	<19.4	50.0	12/16/20 17:02	
Toluene	ug/kg	<12.6	50.0	12/16/20 17:02	
trans-1,2-Dichloroethene	ug/kg	<10.8	50.0	12/16/20 17:02	
trans-1,3-Dichloropropene	ug/kg	<143	250	12/16/20 17:02	
Trichloroethene	ug/kg	<18.7	50.0	12/16/20 17:02	
Trichlorofluoromethane	ug/kg	<14.5	50.0	12/16/20 17:02	
Vinyl chloride	ug/kg	<10.1	50.0	12/16/20 17:02	
Xylene (Total)	ug/kg	<36.1	150	12/16/20 17:02	
1,2-Dichlorobenzene-d4 (S)	%	100	50-150	12/16/20 17:02	
4-Bromofluorobenzene (S)	%	98	52-137	12/16/20 17:02	
Toluene-d8 (S)	%	101	56-140	12/16/20 17:02	

LABORATORY CONTROL SAMPLE: 2161007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2510	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2130	85	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2280	91	70-130	
1,1-Dichloroethane	ug/kg	2500	2690	107	69-143	
1,1-Dichloroethene	ug/kg	2500	2300	92	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2090	84	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1860	74	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2230	89	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2210	88	70-130	
1,2-Dichloroethane	ug/kg	2500	2620	105	70-130	
1,2-Dichloropropane	ug/kg	2500	2340	94	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2220	89	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2260	90	70-130	
Benzene	ug/kg	2500	2310	92	70-130	
Bromodichloromethane	ug/kg	2500	2460	98	70-130	
Bromoform	ug/kg	2500	2140	86	67-130	
Bromomethane	ug/kg	2500	2400	96	45-134	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

LABORATORY CONTROL SAMPLE: 2161007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2850	114	70-130	
Chlorobenzene	ug/kg	2500	2380	95	70-130	
Chloroethane	ug/kg	2500	3140	126	58-143	
Chloroform	ug/kg	2500	2440	98	76-122	
Chloromethane	ug/kg	2500	2050	82	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2240	90	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2260	90	70-130	
Dibromochloromethane	ug/kg	2500	2250	90	70-130	
Dichlorodifluoromethane	ug/kg	2500	2630	105	26-99 L1	
Ethylbenzene	ug/kg	2500	2220	89	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2310	93	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2110	84	70-130	
Methylene Chloride	ug/kg	2500	2230	89	70-130	
Styrene	ug/kg	2500	2300	92	70-130	
Tetrachloroethene	ug/kg	2500	2400	96	70-130	
Toluene	ug/kg	2500	2220	89	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2240	90	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2170	87	70-130	
Trichloroethene	ug/kg	2500	2460	99	70-130	
Trichlorofluoromethane	ug/kg	2500	3190	128	70-128	
Vinyl chloride	ug/kg	2500	2410	96	53-110	
Xylene (Total)	ug/kg	7500	6630	88	70-130	
1,2-Dichlorobenzene-d4 (S)	%			90	50-150	
4-Bromofluorobenzene (S)	%			92	52-137	
Toluene-d8 (S)	%			91	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2161008 2161009

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40219791002	Spike Conc.	MSD Spike Conc.	Result								
1,1,1-Trichloroethane	ug/kg	<0.015 mg/kg	1480	1480	1400	1500	94	101	66-130	7	20		
1,1,2,2-Tetrachloroethane	ug/kg	<0.021 mg/kg	1480	1480	1320	1300	89	88	70-133	1	20		
1,1,2-Trichloroethane	ug/kg	<0.022 mg/kg	1480	1480	1450	1460	98	99	70-130	1	20		
1,1-Dichloroethane	ug/kg	<0.015 mg/kg	1480	1480	1510	1570	102	106	69-143	4	20		
1,1-Dichloroethene	ug/kg	<0.020 mg/kg	1480	1480	1310	1340	89	90	58-120	2	20		
1,2,4-Trichlorobenzene	ug/kg	<0.049 mg/kg	1480	1480	1480	1470	100	99	60-130	1	20		
1,2-Dibromo-3-chloropropane	ug/kg	<0.046 mg/kg	1480	1480	1230	1210	83	82	59-136	2	20		
1,2-Dibromoethane (EDB)	ug/kg	<0.016 mg/kg	1480	1480	1380	1410	93	95	70-130	2	20		
1,2-Dichlorobenzene	ug/kg	<0.018 mg/kg	1480	1480	1450	1490	98	100	70-130	2	20		

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Parameter	Units	40219791002		2161008		2161009		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,2-Dichloroethane	ug/kg	<0.014 mg/kg	1480	1480	1610	1690	109	114	70-136	5	20			
1,2-Dichloropropane	ug/kg	<0.014 mg/kg	1480	1480	1410	1470	95	99	78-128	4	20			
1,3-Dichlorobenzene	ug/kg	<0.016 mg/kg	1480	1480	1480	1450	100	98	70-130	2	20			
1,4-Dichlorobenzene	ug/kg	<0.016 mg/kg	1480	1480	1470	1530	99	103	70-130	4	20			
Benzene	ug/kg	<0.014 mg/kg	1480	1480	1390	1470	94	99	70-130	6	20			
Bromodichloromethane	ug/kg	<0.014 mg/kg	1480	1480	1440	1540	97	104	70-130	7	20			
Bromoform	ug/kg	<0.26 mg/kg	1480	1480	1280	1240	86	84	63-130	3	20			
Bromomethane	ug/kg	<0.083 mg/kg	1480	1480	1580	1680	107	113	33-146	6	20			
Carbon tetrachloride	ug/kg	<0.013 mg/kg	1480	1480	1430	1630	96	110	65-130	13	20			
Chlorobenzene	ug/kg	<0.0071 mg/kg	1480	1480	1510	1480	102	100	70-130	2	20			
Chloroethane	ug/kg	<0.025 mg/kg	1480	1480	2050	2300	138	155	46-156	12	20			
Chloroform	ug/kg	<0.042 mg/kg	1480	1480	1480	1580	100	107	75-130	7	20			
Chloromethane	ug/kg	<0.023 mg/kg	1480	1480	1390	1390	94	94	20-139	0	20			
cis-1,2-Dichloroethene	ug/kg	<0.013 mg/kg	1480	1480	1320	1490	89	101	69-130	12	20			
cis-1,3-Dichloropropene	ug/kg	<0.039 mg/kg	1480	1480	1360	1410	92	95	70-130	3	20			
Dibromochloromethane	ug/kg	<0.20 mg/kg	1480	1480	1370	1420	92	96	70-130	4	20			
Dichlorodifluoromethane	ug/kg	<0.026 mg/kg	1480	1480	1690	1720	114	116	10-99	2	22	MO		
Ethylbenzene	ug/kg	<0.014 mg/kg	1480	1480	1390	1390	94	94	80-120	0	20			
Isopropylbenzene (Cumene)	ug/kg	<0.016 mg/kg	1480	1480	1370	1390	93	94	70-130	2	20			
Methyl-tert-butyl ether	ug/kg	<0.017 mg/kg	1480	1480	1300	1380	88	93	70-130	6	20			
Methylene Chloride	ug/kg	<0.016 mg/kg	1480	1480	1490	1480	101	100	70-136	1	20			
Styrene	ug/kg	<0.015 mg/kg	1480	1480	1390	1430	94	97	70-130	3	20			
Tetrachloroethene	ug/kg	<0.023 mg/kg	1480	1480	1440	1430	97	96	68-130	1	20			
Toluene	ug/kg	<0.015 mg/kg	1480	1480	1380	1370	93	92	80-120	1	20			
trans-1,2-Dichloroethene	ug/kg	<0.013 mg/kg	1480	1480	1410	1460	95	99	70-130	4	20			
trans-1,3-Dichloropropene	ug/kg	<0.17 mg/kg	1480	1480	1310	1380	89	93	70-130	5	20			
Trichloroethene	ug/kg	<0.022 mg/kg	1480	1480	1460	1530	99	103	70-130	5	20			

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2161008		2161009		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40219791002 Result	MS Spike Conc.	MSD Spike Conc.									
Trichlorofluoromethane	ug/kg	<0.017 mg/kg	1480	1480	1810	1840	122	124	53-128	2	20		
Vinyl chloride	ug/kg	<0.012 mg/kg	1480	1480	1490	1540	100	104	32-118	4	20		
Xylene (Total)	ug/kg	<0.043 mg/kg	4450	4450	4130	4140	93	93	70-130	0	20		
1,2-Dichlorobenzene-d4 (S)	%						136	120	50-150				
4-Bromofluorobenzene (S)	%						131	120	52-137				
Toluene-d8 (S)	%						132	118	56-140				

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

QC Batch: 373891 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40219775011

METHOD BLANK: 2160819 Matrix: Solid
Associated Lab Samples: 40219775011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<2.4	16.7	12/16/20 16:15	
2-Methylnaphthalene	ug/kg	<2.4	16.7	12/16/20 16:15	
Acenaphthene	ug/kg	<2.2	16.7	12/16/20 16:15	
Acenaphthylene	ug/kg	<2.1	16.7	12/16/20 16:15	
Anthracene	ug/kg	<2.1	16.7	12/16/20 16:15	
Benzo(a)anthracene	ug/kg	<2.2	16.7	12/16/20 16:15	
Benzo(a)pyrene	ug/kg	<1.9	16.7	12/16/20 16:15	
Benzo(b)fluoranthene	ug/kg	<2.3	16.7	12/16/20 16:15	
Benzo(g,h,i)perylene	ug/kg	<2.9	16.7	12/16/20 16:15	
Benzo(k)fluoranthene	ug/kg	<2.1	16.7	12/16/20 16:15	
Chrysene	ug/kg	<3.1	16.7	12/16/20 16:15	
Dibenz(a,h)anthracene	ug/kg	<2.3	16.7	12/16/20 16:15	
Fluoranthene	ug/kg	<2.0	16.7	12/16/20 16:15	
Fluorene	ug/kg	<2.0	16.7	12/16/20 16:15	
Indeno(1,2,3-cd)pyrene	ug/kg	<3.5	16.7	12/16/20 16:15	
Naphthalene	ug/kg	<1.6	16.7	12/16/20 16:15	
Phenanthrene	ug/kg	<1.9	16.7	12/16/20 16:15	
Pyrene	ug/kg	<2.5	16.7	12/16/20 16:15	
2-Fluorobiphenyl (S)	%	82	17-100	12/16/20 16:15	
Terphenyl-d14 (S)	%	106	17-98	12/16/20 16:15	S3

LABORATORY CONTROL SAMPLE: 2160820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	333	273	82	58-101	
2-Methylnaphthalene	ug/kg	333	278	83	59-101	
Acenaphthene	ug/kg	333	267	80	62-97	
Acenaphthylene	ug/kg	333	274	82	67-102	
Anthracene	ug/kg	333	298	89	69-120	
Benzo(a)anthracene	ug/kg	333	305	91	59-101	
Benzo(a)pyrene	ug/kg	333	290	87	70-110	
Benzo(b)fluoranthene	ug/kg	333	319	96	66-111	
Benzo(g,h,i)perylene	ug/kg	333	298	89	64-106	
Benzo(k)fluoranthene	ug/kg	333	313	94	65-108	
Chrysene	ug/kg	333	290	87	61-102	
Dibenz(a,h)anthracene	ug/kg	333	300	90	64-120	
Fluoranthene	ug/kg	333	310	93	69-120	
Fluorene	ug/kg	333	282	85	70-99	
Indeno(1,2,3-cd)pyrene	ug/kg	333	304	91	66-120	

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

LABORATORY CONTROL SAMPLE: 2160820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/kg	333	255	76	60-95	
Phenanthrene	ug/kg	333	294	88	66-98	
Pyrene	ug/kg	333	294	88	63-120	
2-Fluorobiphenyl (S)	%			82	17-100	
Terphenyl-d14 (S)	%			94	17-98	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160821 2160822

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40219770002 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1-Methylnaphthalene	ug/kg	<0.0029 mg/kg	393	393	283	287	72	73	48-101	1	25	
2-Methylnaphthalene	ug/kg	<0.0029 mg/kg	393	393	264	296	67	75	46-101	12	21	
Acenaphthene	ug/kg	<0.0026 mg/kg	393	393	353	296	89	75	52-97	18	20	
Acenaphthylene	ug/kg	<0.0025 mg/kg	393	393	284	307	72	78	51-102	8	20	
Anthracene	ug/kg	0.0031J mg/kg	393	393	389	323	98	81	54-120	19	20	
Benzo(a)anthracene	ug/kg	0.012J mg/kg	393	393	342	361	84	89	34-101	5	22	
Benzo(a)pyrene	ug/kg	0.0086J mg/kg	393	393	311	353	77	88	46-110	13	25	
Benzo(b)fluoranthene	ug/kg	0.011J mg/kg	393	393	338	362	83	89	40-111	7	23	
Benzo(g,h,i)perylene	ug/kg	0.0071J mg/kg	393	393	310	347	77	87	40-120	11	24	
Benzo(k)fluoranthene	ug/kg	0.0053J mg/kg	393	393	293	329	73	82	47-108	12	24	
Chrysene	ug/kg	0.011J mg/kg	393	393	310	320	76	79	35-115	3	20	
Dibenz(a,h)anthracene	ug/kg	<0.0027 mg/kg	393	393	319	337	81	85	46-120	6	21	
Fluoranthene	ug/kg	0.019J mg/kg	393	393	539	355	132	85	52-120	41	23	M1,R1
Fluorene	ug/kg	<0.0024 mg/kg	393	393	376	311	95	79	54-99	19	20	
Indeno(1,2,3-cd)pyrene	ug/kg	0.0047J mg/kg	393	393	323	349	81	87	46-120	8	22	
Naphthalene	ug/kg	<0.0019 mg/kg	393	393	229	286	58	72	46-95	22	23	
Phenanthrene	ug/kg	0.0098J mg/kg	393	393	319	328	79	81	51-98	3	20	
Pyrene	ug/kg	0.017J mg/kg	393	393	457	346	112	84	46-120	28	24	R1
2-Fluorobiphenyl (S)	%						70	71	17-100			
Terphenyl-d14 (S)	%						81	80	17-98			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

QC Batch: 373786

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: 40219775001, 40219775002, 40219775003, 40219775004, 40219775005, 40219775006, 40219775007, 40219775008, 40219775009, 40219775010, 40219775011, 40219775012, 40219775013, 40219775014

SAMPLE DUPLICATE: 2160208

Parameter	Units	40219773004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.7	11.8	7	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: T219051 LZ PROPERTIES

Pace Project No.: 40219775

QC Batch: 373792

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: 40219775015

SAMPLE DUPLICATE: 2160217

Parameter	Units	40219778004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.2	22.3	0	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- R1 RPD value was outside control limits.
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: T219051 LZ PROPERTIES
Pace Project No.: 40219775

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40219775011	GB-6 3-4	EPA 3546	373891	EPA 8270 by SIM	373941
40219775001	GB-2 2-3	EPA 5035/5030B	373787	EPA 8260	373789
40219775002	GB-2 6-7	EPA 5035/5030B	373787	EPA 8260	373789
40219775003	GB-1 2-3	EPA 5035/5030B	373787	EPA 8260	373789
40219775004	GB-1 6-7	EPA 5035/5030B	373787	EPA 8260	373789
40219775005	GB-3 3-4	EPA 5035/5030B	373787	EPA 8260	373789
40219775006	GB-3 7-8	EPA 5035/5030B	373787	EPA 8260	373789
40219775007	GB-5 5-6	EPA 5035/5030B	373787	EPA 8260	373789
40219775008	GB-5 9-10	EPA 5035/5030B	373787	EPA 8260	373789
40219775009	GB-4 4-5	EPA 5035/5030B	373787	EPA 8260	373789
40219775010	GB-4 8-9	EPA 5035/5030B	373787	EPA 8260	373789
40219775011	GB-6 3-4	EPA 5035/5030B	373787	EPA 8260	373789
40219775012	GB-6 8-9	EPA 5035/5030B	373787	EPA 8260	373789
40219775013	GB-6 14-15	EPA 5035/5030B	373927	EPA 8260	373931
40219775014	GB-7 4-5	EPA 5035/5030B	373927	EPA 8260	373931
40219775015	GB-7 8-9	EPA 5035/5030B	373927	EPA 8260	373931
40219775016	TRIP BLANK	EPA 5035/5030B	373937	EPA 8260	373942
40219775001	GB-2 2-3	ASTM D2974-87	373786		
40219775002	GB-2 6-7	ASTM D2974-87	373786		
40219775003	GB-1 2-3	ASTM D2974-87	373786		
40219775004	GB-1 6-7	ASTM D2974-87	373786		
40219775005	GB-3 3-4	ASTM D2974-87	373786		
40219775006	GB-3 7-8	ASTM D2974-87	373786		
40219775007	GB-5 5-6	ASTM D2974-87	373786		
40219775008	GB-5 9-10	ASTM D2974-87	373786		
40219775009	GB-4 4-5	ASTM D2974-87	373786		
40219775010	GB-4 8-9	ASTM D2974-87	373786		
40219775011	GB-6 3-4	ASTM D2974-87	373786		
40219775012	GB-6 8-9	ASTM D2974-87	373786		
40219775013	GB-6 14-15	ASTM D2974-87	373786		
40219775014	GB-7 4-5	ASTM D2974-87	373786		
40219775015	GB-7 8-9	ASTM D2974-87	373792		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: True North Consultants
 Branch/Location: Madison WI
 Project Contact: Tom Culp
 Phone: 608-212-1676
 Project Number: T219051
 Project Name: L2 Properties
 Project State: WI
 Sampled By (Print): Ben Stencil
 Sampled By (Sign): Ben Stencil
 PO #: T219051 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID		COLLECTION		MATRIX
			DATE	TIME	
001	GB-2	2-3	12/11	900	S
002	GB-2	6-7	12/11	905	S
003	GB-1	2-3	12/11	915	S
004	GB-1	6-7	12/11	920	S
005	GB-3	3-4	12/11	1015	S
006	GB-3	7-8	12/11	1020	S
007	GB-5	5-6	12/11	1030	S
008	GB-5	9-10	12/11	1035	S
009	GB-4	4-5	12/11	1050	S
010	GB-4	8-9	12/11	1055	S
011	GB-6	3-4	12/11	1115	S
012	GB-6	8-9	12/11	1120	S
013	GB-6	14-15	12/11	1125	S

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: 5 Day ASAP

Transmit Prelim Rush Results by (complete what you want):
 Email #1: fculp
 Email #2: cvatchef
 Telephone:
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Ben Stencil Date/Time: 12/11/20
 Relinquished By: C.S Logistics Date/Time: 12/12/20 0845

Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Received By: Date/Time:
 Received By: [Signature] Date/Time: 12/12/20 0845
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No. 40219775
 Receipt Temp = 12.0 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40219775

CHAIN OF CUSTODY

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Y/N	N	N																	
Pick Letter	F	A																	
Analyses Requested	VOC	PAH																	
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		
	X																		

Quote #: 40219775
 Mail To Contact: Tom Culp
 Mail To Company: True North Consultants
 Mail To Address: 525 Junction Road Madison WI 53717
 Invoice To Contact:
 Invoice To Company: Same As Above
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS LAB COMMENTS (Lab Use Only) Profile #

Page 58 of 61

(Please Print Clearly)

Company Name: True North Consultants
 Branch/Location: Madison WI
 Project Contact: Tom Culp
 Phone: 608-212-1676
 Project Number: T219051
 Project Name: LZ Properties
 Project State: WI
 Sampled By (Print): Ben Stuebel
 Sampled By (Sign): *Ben Stuebel*
 PO #: T219051



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40219775

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested																		
N	S	VOC																		

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Blota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested													
		DATE	TIME																	
014	GB-7 (4-5)	12/11	1200	S	X															
015	GB-7 (8-9)	12/11	1205	S	X															
016	① TB																			

Quote #:

Mail To Contact: Tom Culp
Mail To Company: True North Consultants
Mail To Address: 525 Junction Road
 Madison WI 53717

Invoice To Contact:

Invoice To Company: Same As Above
Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	① TB received in shipment, lab added to COC. 12/12/20 hp	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:
 Email #2:
 Telephone:
 Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <i>Ben Stuebel</i>	Date/Time: 12/11/20
Relinquished By: <i>C-S Logistics</i>	Date/Time: 12/12/20 0845
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:

Received By: <i>[Signature]</i>	Date/Time: 12/12/20 0845
Received By:	Date/Time:
Received By:	Date/Time:
Received By:	Date/Time:

PACE Project No. 40219775

Receipt Temp = *REST* °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / NOT Intact



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
ENV-FRM-GBAY-0014-Rev.00

Document Revised: 26Mar2020

Author:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: True North Cons.

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

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: LOT /Corr: _____

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

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:

Date: 12/12/20 /Initials: AE

Labeled By Initials: AE

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>B013901VB</u>		<u>OTB received in shipment, lab added to COC.</u>

12/12/20
AE

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