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17975 West Sarah Lane  
Suite 100  
Brookfield, WI 53045  
T: 262.754.2560  
F: 262.923.7758  
www.gza.com

December 15, 2023

Mr. and Mrs. Jon and Sharon Braun  
980 Lincoln Drive West  
West Bend, Wisconsin 53095-4725

Re: Results of Sub-Slab and Indoor Air Testing  
980 Lincoln Drive West  
West Bend, Wisconsin

Dear Mr. and Mrs. Braun:

On behalf of Continental VI Fund Limited Partnership (Continental), GZA GeoEnvironmental, Inc. (GZA) thanks you for allowing us access to conduct the testing in the home on your property in November 2023. As further described below, the results of vapor testing we conducted for chemicals that could be associated with the former Mr. Bob's One Hour Dry Cleaning that once operated at 1025 South Main Street (former Decorah Shopping Center) were found to be within allowable State levels. These results confirm the prior results obtained in February 2022.

#### Indoor Air Sampling and Analyses

GZA collected two passive indoor air samples from the basement and first floor levels of your home at 980 Lincoln Drive West and an outside air background sample over an eight-day period from November 10 to 18, 2023. The passive indoor air and outside air background samples were collected with Radiello® RAD145 7- to 10-day passive diffusive sorbent samplers. For sampling, GZA removed the adsorbent media from its sealed glass containers, placed the adsorbent media in the diffusive barrier, and connected the diffusive barrier to a stand for placement at the sampling location. After approximately eight days, GZA returned to your residence to remove the adsorbent media from the diffusive barrier and place them back in the sealed glass containers. GZA recorded the dates and times the adsorbent media were removed from and returned to the sealed glass containers on the chain-of-custody. GZA submitted the samples under chain-of-custody to Eurofins|Air Toxics of Folsom, California. Eurofins|Air Toxics analyzed the samples for tetrachloroethene (PCE) the historical cleaning agent associated with operations at the former Mr. Bob's One Hour Dry Cleaning, and three associated target chemicals; trichloroethene (TCE) and cis- and trans-1,2-dichloroethene (cis- and trans-1,2-DCE) in accordance with the modified United States Environmental Protection Agency (USEPA) Method TO-17. The analytical report for the indoor air and outdoor air background samples is provided in **Attachment 1**.

#### Sub-Slab Soil Vapor Sampling and Analyses

GZA collected an air sample from beneath the slab (referred to as sub-slab soil vapor samples) in the basement of your residence on November 18, 2023, after completion of the indoor air sampling. GZA collected the sub-slab soil vapor sample in a 1-liter, evacuated SUMMA® vacuum canister through one of the sampling ports GZA previously installed through the concrete floor slab.

GZA submitted the sub-slab vapor sample under chain-of-custody to Pace® Analytical Services, LLC (Pace) of Minneapolis, Minnesota for analyses of PCE, TCE, cis- and trans-1,2-DCE, and vinyl chloride. Pace analyzed the sample in accordance with USEPA Method TO-15. The analytical report for the sub-slab soil vapor sample is provided in **Attachment 2**.



Indoor Air Sample Results

The analytical results for the indoor and background air samples collected in February 2022 and November 2023, are summarized on **Table 1**. There were no target chemicals detected in the November 2023 indoor air samples or the outdoor background air sample. There were also no target chemicals detected in the February 2022 indoor air samples. In summary, based on GZA’s testing conducted to date, chemicals related to the former Mr. Bob’s One Hour Dry Cleaning operation are not having an adverse effect on the indoor air in your home.

Sub-Slab Soil Vapor Sample Results

The analytical results for the indoor and background air samples collected in February 2022 and November 2023, are summarized on **Table 2**. Of the five chemicals included for analysis of the November 2023 sub-slab vapor sample, only PCE was detected. PCE was detected at a concentration of 65.9 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), a concentration is less than 5% of the Wisconsin Department of Natural Resources (WDNR) allowable residential sub-slab screening level of  $1,400 \mu\text{g}/\text{m}^3$ . The PCE concentration is lower than the  $309 \mu\text{g}/\text{m}^3$  concentration detected in February 2022. The WDNR established the sub-slab screening levels at concentrations below which indoor air quality is not expected to be adversely affected.

Future Sampling

The WDNR is requesting one additional round of confirmation indoor air and sub-slab testing. Therefore, we will contact you in two to three months to schedule a follow-up sampling round.

Questions

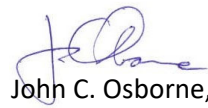
If you have questions, please call Bernie at (262) 424-2045 or John at (262) 424-2042 at GZA. You may also contact Mr. John Feeney of the WDNR (920-893-8523), if you have any questions related to the work conducted; or Mr. Curtis Hedman of the Wisconsin Department of Health Services (WDHS) (608-266-6677), if you have any health-related questions or concerns associated with the results.

On behalf of Continental, GZA thanks you for your cooperation.

Very truly yours,

**GZA GeoEnvironmental, Inc.**

  
Bernard G. Fenelon, P.G.  
Senior Consultant  
Hydrogeologist

  
John C. Osborne, P.G.  
Senior Principal  
Hydrogeologist

J:\156300to156399\156364 Continental WB\01 Source Area Vapor Int Eval\Correspondence\Results Letters\  
2023 12 06 FINAL 156364\_01 980 Lincoln Dr W Braun Second Round SS and IAQ Results Letter.docx

Attachment: Table 1 - Indoor-Air Analytical Results Summary  
Table 2 - Sub-Slab Sample Analytical Results Summary  
Laboratory Analytical Reports

c: Mr. Eric E. Thom, Continental VI Fund Limited Partnership  
Mr. John Feeney, WDNR  
Mr. Curtis Hedman, WDHS



## TABLES



**TABLE 1  
RESIDENTIAL INDOOR AIR ANALYTICAL RESULTS  
Decorah Shopping Center  
West Bend, Wisconsin**

Owner	Address - Sample Date	Residential Indoor Air Vapor Action Levels <sup>(3,4)</sup> ( $\mu\text{g}/\text{m}^3$ )	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
			<b>42</b>	<b>42</b>	<b>42</b>	<b>2.1</b>	<b>1.7</b>
Braun	980 Lincoln Drive West-Basement	2/11-12/2022	<0.29	<0.25	<0.44	<0.29	<0.13
	980 Lincoln Drive West-1 <sup>st</sup> Floor	2/11-12/2022	<0.30	<0.26	<0.44	<0.30	<0.13
	980 Lincoln Drive West-Background	2/11-12/2022	<0.27	<0.24	<0.79	<0.28	<0.12
	980 Lincoln Drive West-Basement	11/10-18/2023	<0.14	<0.29	<0.15	<0.12	NA
	980 Lincoln Drive West-1 <sup>st</sup> Floor	11/10-18/2023	<0.14	<0.29	<0.15	<0.12	NA
	980 Lincoln Drive West-Background	11/10-18/2023	<0.14	<0.29	<0.15	<0.12	NA

**Notes:**

1. Sub-slab vapor samples were collected by GZA GeoEnvironmental, Inc. from sub-slab vapor monitoring points for analysis by Pace Analytical of St. Paul, Minnesota for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride in accordance with USEPA Method TO-15.
2. Results are provided in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ).
3. Screening levels (January 2023) are obtained from a WDNR webpage at the following link: <https://dnr.wi.gov/DocLink/RR/RR0136.pdf>.
4. Concentrations below the screening values are considered acceptable for occupancy of the building.
5. 2015 USEPA Vapor Intrusion guidance provides a minimum 30 times attenuation factor between the sub-slab and indoor air concentrations.
6. Values that exceed WDNR Vapor Action levels (VALs) are underlined and in italics.
7. "NS" denotes no screening level established.



**TABLE 2  
RESIDENTIAL SUB-SLAB VAPOR ANALYTICAL RESULTS  
Decorah Shopping Center  
West Bend, Wisconsin**

Owner	Address - Sample	Sub-Slab Residential Vapor Inhalation Screening Levels <sup>(3,4)</sup> ( $\mu\text{g}/\text{m}^3$ )	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
			<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>70</b>	<b>56</b>
Braun	980 Lincoln Drive West-South-SS	2/12/2022	<0.27	<0.23	<b>24.4</b>	<0.27	<0.12
	980 Lincoln Drive West-North-SS	2/12/2022	<0.27	<0.24	<b>309</b>	<b>1.6</b>	<0.12
	980 Lincoln Drive West-North-SS	11/18/2023	<0.311	<0.267	<b>65.9</b>	<0.364	<0.243

**Notes:**

1. Sub-slab vapor samples were collected by GZA GeoEnvironmental, Inc. from sub-slab vapor monitoring points for analysis by Eurofins of Folsom, CA or Pace Analytical of Mt. Juliet, TN for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride in accordance with Modified EPA Method TO-15.
2. Results are provided in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ).
3. Screening levels (January 2023) are obtained from a WDNR webpage at the following link: <https://dnr.wi.gov/DocLink/RR/RR0136.pdf>.
4. Concentrations below the screening values are considered acceptable for occupancy of the building.
5. 2015 USEPA Vapor Intrusion guidance provides a minimum 30 times attenuation factor between the sub-slab and indoor air concentrations.
6. Values that exceed WDNR sub-slab Vapor Risk Screening Levels (VRSLs) are underlined and in italics.
7. "NS" denotes no screening level established.



**ATTACHMENT 1**

**Laboratory Analytical Report for Indoor and Background Outdoor Air Samples**

12/5/2023

Mr. Bernard Fenelon  
GZA GeoEnvironmental, Inc.  
17975 West Sarah Lane  
Suite 100  
Brookfield WI 53045

Project Name: Continental - West Bend  
Project #: 20.0156364.01  
Workorder #: 2311529

Dear Mr. Bernard Fenelon

The following report includes the data for the above referenced project for sample(s) received on 11/27/2023 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Passive S.E. RAD130/SKC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Jade White at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Jade White  
Project Manager

**WORK ORDER #: 2311529**

Work Order Summary

<b>CLIENT:</b>	Mr. Bernard Fenelon GZA GeoEnvironmental, Inc. 17975 West Sarah Lane Suite 100 Brookfield, WI 53045	<b>BILL TO:</b>	Mr. Bernard Fenelon GZA GeoEnvironmental, Inc. 17975 West Sarah Lane Suite 100 Brookfield, WI 53045
<b>PHONE:</b>	262-754-2560	<b>P.O. #</b>	
<b>FAX:</b>	262754-9711	<b>PROJECT #</b>	20.0156364.01 Continential - West Bend
<b>DATE RECEIVED:</b>	11/27/2023	<b>CONTACT:</b>	Jade White
<b>DATE COMPLETED:</b>	12/05/2023		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	980 LINCOLN DR WEST - BASEMENT I	Passive S.E. RAD130/SKC
02A	980 LINCOLN DR WEST - 1st FLOOR IA	Passive S.E. RAD130/SKC
03A	980 LINCOLN DR WEST - BACKGROUN	Passive S.E. RAD130/SKC
04A	Lab Blank	Passive S.E. RAD130/SKC
05A	CCV	Passive S.E. RAD130/SKC
06A	LCS	Passive S.E. RAD130/SKC
06AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY:   
 \_\_\_\_\_  
 Technical Director

DATE: 12/05/23

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP – 209222, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP – T104704434-22-18, UT NELAP – CA009332022-14, VA NELAP - 12240, WA ELAP - C935  
 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-017  
 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*  
 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
 (916) 985-1000



**LABORATORY NARRATIVE  
RAD130 Passive SE by Mod EPA TO-17  
GZA GeoEnvironmental, Inc.  
Workorder# 2311529**

Three Radiello 130 (Solvent) samples were received on November 27, 2023. The laboratory analyzed the charcoal sorbent bed of the passive sampler following modified method EPA TO-17. The VOCs were chemically extracted using carbon disulfide and an aliquot of the extract was injected into a GC/MS for identification and quantification of volatile organic compounds (VOCs).

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the sampling rate for each VOC. If sampling rates were calculated by the lab or the manufacturer, the concentration result has been flagged as an estimated value. Results are not corrected for desorption efficiency.

The reference method used for this procedure is EPA TO-17, which describes the collection of VOCs in ambient air using sorbents and analysis by GC/MS. Because TO-17 describes active sample collection using a pump and thermal desorption as the preparation step, several modifications are required. Modifications to TO-17 are listed in the table below:

<i>Requirement</i>	<i>TO-17</i>	<i>ATL Modifications</i>
Sample Collection	Pump pulls measured air volume through sorbent tube	VOCs in air adsorbed onto sorbent bed passively through diffusion
Sample Preparation	Thermal extraction	Solvent extraction
Sorbent tube conditioning	Condition newly packed tubes prior to use	Charcoal-based sorbent is a single use media and conditioning is conducted by vendor.
Instrumentation	Thermal desorption introduction system	Liquid injection introduction system
Internal Standard	Gas-phase internal standard introduced on the tube or focusing trap during analysis	Liquid-phase internal standard introduced on the tube at the time of extraction
Media and sample storage	<4 deg C, 30 days	Media shelf life is determined by vendor; sample hold-time is 6 months for the RAD130 and WMS. Sample preservation requirements are storage in a cool, solvent-free refrigerator and optional use of ice during shipping.
Internal Standard Recovery	+/-40% of daily CCV area	-50% to +100% of daily CCV area

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

The uptake rates were corrected based on average field temperatures if provided. In the absence of field temperatures, the uptake rates determined at 25 deg C were used.

To calculate ug/m<sup>3</sup> concentrations in the Lab Blank, a sampling duration of 11537 minutes was applied. The assumed temperature used for the uptake rate is listed on the data page. If the field temperatures were provided, the rate was adjusted in the same manner as the field samples.

If validated uptake rates were not available, rates were estimated using the chemical's diffusion coefficient in air and the geometric constant of the sampler. Chemicals that are poorly retained by the sorbent over the sampling duration may exhibit a low bias. All concentrations calculated using estimated rates are qualified with a "C" flag.

### **Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

C - Estimated concentration due to calculated sampling rate

CN - See case narrative explanation.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

**Summary of Detected Compounds  
VOCS BY PASSIVE SAMPLER - GC/MS**

**Client Sample ID: 980 LINCOLN DR WEST - BASEMENT IA**

**Lab ID#: 2311529-01A**

No Detections Were Found.

**Client Sample ID: 980 LINCOLN DR WEST - 1st FLOOR IA**

**Lab ID#: 2311529-02A**

No Detections Were Found.

**Client Sample ID: 980 LINCOLN DR WEST - BACKGROUND IA**

**Lab ID#: 2311529-03A**

No Detections Were Found.



Air Toxics

Client Sample ID: 980 LINCOLN DR WEST - BASEMENT IA

Lab ID#: 2311529-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120409sim	Date of Collection:	11/18/23 9:17:00 AM
Dil. Factor:	1.00	Date of Analysis:	12/4/23 12:03 PM
		Date of Extraction:	12/4/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11530 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130



Air Toxics

Client Sample ID: 980 LINCOLN DR WEST - 1st FLOOR IA

Lab ID#: 2311529-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120410sim	Date of Collection:	11/18/23 9:23:00 AM
Dil. Factor:	1.00	Date of Analysis:	12/4/23 12:30 PM
		Date of Extraction:	12/4/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11537 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130



Air Toxics

Client Sample ID: 980 LINCOLN DR WEST - BACKGROUND IA

Lab ID#: 2311529-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120411sim	Date of Collection:	11/18/23 9:26:00 AM
Dil. Factor:	1.00	Date of Analysis:	12/4/23 12:58 PM
		Date of Extraction:	12/4/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11531 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130

Client Sample ID: Lab Blank

Lab ID#: 2311529-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120408sim	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/4/23 11:35 AM
		Date of Extraction:	12/4/23

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.12	Not Detected	Not Detected
Tetrachloroethene	0.10	0.15	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.14	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.29	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 11537 minutes.

Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: CCV

Lab ID#: 2311529-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120405sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/4/23 09:52 AM
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	90
Tetrachloroethene	91
cis-1,2-Dichloroethene	80
trans-1,2-Dichloroethene	85

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130



Client Sample ID: LCS

Lab ID#: 2311529-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120406sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/4/23 10:19 AM
		Date of Extraction: 12/4/23

Compound	%Recovery	Method Limits
Trichloroethene	81	70-130
Tetrachloroethene	80	70-130
cis-1,2-Dichloroethene	77	70-130
trans-1,2-Dichloroethene	74	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130

Client Sample ID: LCSD

Lab ID#: 2311529-06AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	18120407sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/4/23 10:47 AM
		Date of Extraction: 12/4/23

Compound	%Recovery	Method Limits
Trichloroethene	82	70-130
Tetrachloroethene	80	70-130
cis-1,2-Dichloroethene	70	70-130
trans-1,2-Dichloroethene	72	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130



Air Toxics

Passive Sorbent Chain of Custody

WO#

2311529

Case Seal #: \_\_\_\_\_

Company: G2A Geoenvironmental Inc. Project #: 20.0156364.01 P.O. #: \_\_\_\_\_  
 Project Manager: Bernard Ferguson Project Name: CONTINENTAL - WEST BEND  
 Contact phone/email: Bernard.Ferguson@G2A.com Collected by: C. Amsworth

Lab I.D.	Sample Identification	Sampler ID	Date of Deployment (mm/dd/yy)	Time of Deployment (hr:min)	Date of Retrieval (mm/dd/yy)	Time of Retrieval (hr:min)	Sample Matrix (check one)				Reporting Units (circle)		Turn Around Time:
							Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	Other	ppbv	µg/m3	
01A	980 LINCOLN DR WEST - BASEMENT IA		11/10/23	907	11/18/23	917	<input checked="" type="checkbox"/>					TO 15	TP 576
02A	980 LINCOLN DR WEST 1ST FLOOR IA		11/10/23	906	11/18/23	923	<input checked="" type="checkbox"/>					TO 15	TP 573
03A	980 LINCOLN DR WEST BACKGARDN IA		11/10/23	915	11/18/23	926	<input checked="" type="checkbox"/>					TO 15	TP 575
	<del>980 LINCOLN DR WEST NORTH SS</del>		<del>11/10/23</del>		<del>11/18/23</del>								

Relinquished by: (signature) \_\_\_\_\_ Date: 11/22/23 Time: 1330  
 Received by: (signature) PER FED EX Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: (signature) \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by: (signature) PON Collette ENT Date: 11/27/23 Time: 0937

Notes to Lab:  
 PLEASE ANALYZE  
 PLE; TCE; VC  
 CIS AND TRANS  
 1,2 DLE

Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of shipping of samples.

Lab Use Only

Shipper Name: FED EX Custody Seals Intact? Yes  No  None   
 Air Bill #: \_\_\_\_\_ Temperature (°C) \_\_\_\_\_ Sample Condition Upon Receipt: (circle) Good SDR



**ATTACHMENT 2**

**Laboratory Analytical Report for Sub-Slab Soil Vapor Samples**

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

## GZA GeoEnvironmental - Brookfield, WI

Sample Delivery Group: L1681425  
Samples Received: 11/24/2023  
Project Number: 20.0151364.01  
Description: Continental-West Bend

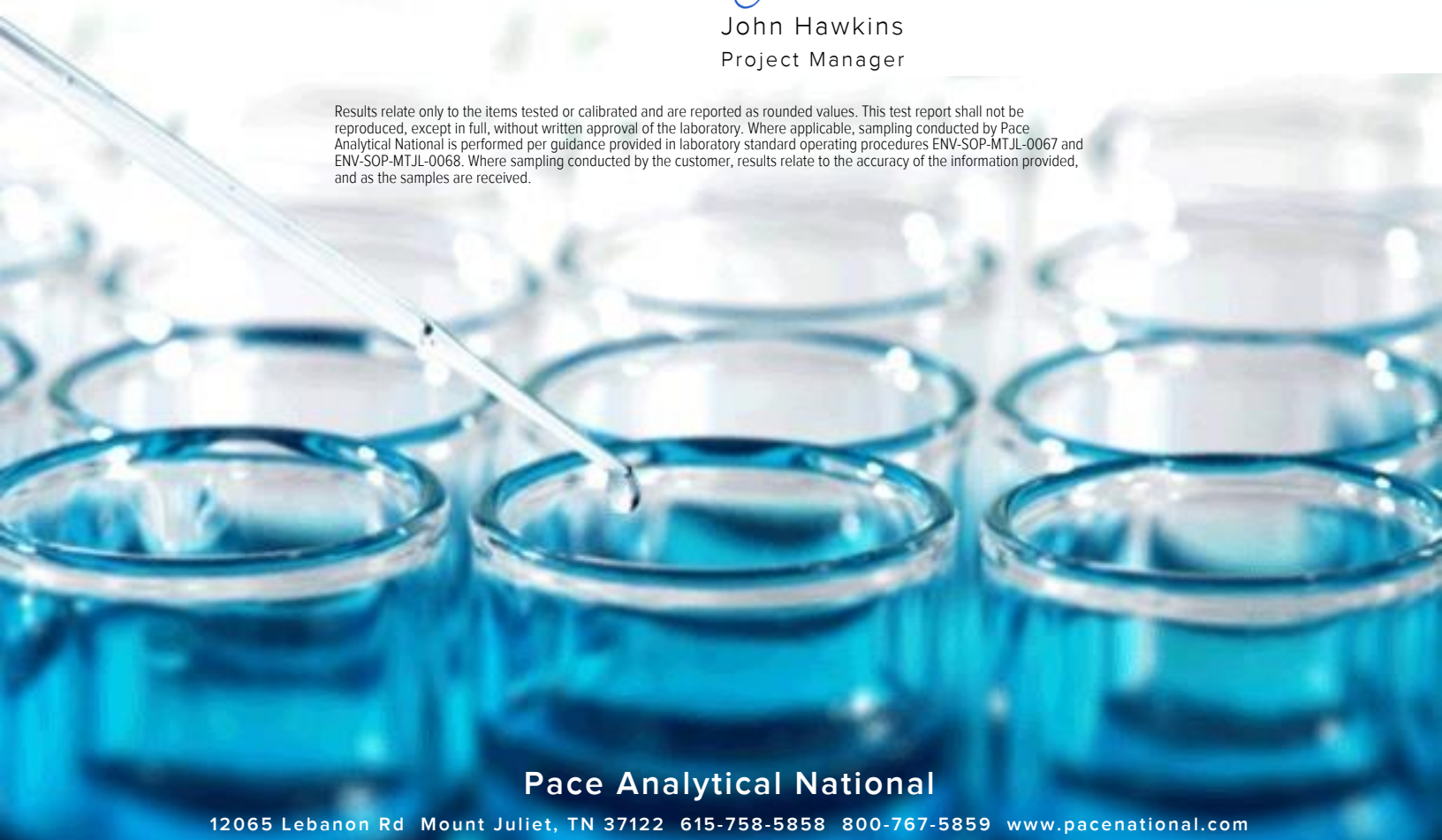
Report To: Bernard Fenelon  
17975 West Sarah Lane  
Brookfield, WI 53045

Entire Report Reviewed By:



John Hawkins  
Project Manager












Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



**Pace Analytical National**

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 [www.pacenational.com](http://www.pacenational.com)

# TABLE OF CONTENTS

<b>Cp: Cover Page</b>	1	
<b>Tc: Table of Contents</b>	2	
<b>Ss: Sample Summary</b>	3	
<b>Cn: Case Narrative</b>	4	
<b>Sr: Sample Results</b>	5	
<b>980 LINCOLN DR WEST NORTH SS 6LC L1681425-01</b>	5	
<b>Qc: Quality Control Summary</b>	6	
<b>Volatile Organic Compounds (MS) by Method TO-15</b>	6	
<b>Gl: Glossary of Terms</b>	7	
<b>Al: Accreditations &amp; Locations</b>	8	
<b>Sc: Sample Chain of Custody</b>	9	

# SAMPLE SUMMARY

980 LINCOLN DR WEST NORTH SS 6LC L1681425-01 Air

Collected by: Chris Ainsworth  
 Collected date/time: 11/18/23 09:14  
 Received date/time: 11/24/23 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2177924	1	11/27/23 21:40	11/27/23 21:40	DAH	Mt. Juliet, TN

- <sup>1</sup>Cp
- <sup>2</sup>Tc
- <sup>3</sup>Ss
- <sup>4</sup>Cn
- <sup>5</sup>Sr
- <sup>6</sup>Qc
- <sup>7</sup>Gl
- <sup>8</sup>Al
- <sup>9</sup>Sc

# CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



John Hawkins  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	MDL ug/m3	RDL ug/m3	Result ug/m3	Qualifier	Dilution	Batch
cis-1,2-Dichloroethene	156-59-2	96.90	0.311	1.03	U		1	<a href="#">WG2177924</a>
trans-1,2-Dichloroethene	156-60-5	96.90	0.267	0.888	U		1	<a href="#">WG2177924</a>
Tetrachloroethylene	127-18-4	166	0.553	1.84	65.9		1	<a href="#">WG2177924</a>
Trichloroethylene	79-01-6	131	0.364	1.22	U		1	<a href="#">WG2177924</a>
Vinyl chloride	75-01-4	62.50	0.243	0.808	U		1	<a href="#">WG2177924</a>
(S) 1,4-Bromofluorobenzene	460-00-4	175			95.6		60.0-140	<a href="#">WG2177924</a>

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4004936-3 11/27/23 11:38

Analyte	MB Result ug/m3	MB Qualifier	MB MDL ug/m3	MB RDL ug/m3
cis-1,2-Dichloroethene	U		0.311	0.793
trans-1,2-Dichloroethene	U		0.267	0.793
Tetrachloroethylene	U		0.553	1.36
Trichloroethylene	U		0.364	1.07
Vinyl chloride	U		0.243	0.511
(S) 1,4-Bromofluorobenzene	95.0			60.0-140

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4004936-1 11/27/23 09:15 • (LCSD) R4004936-2 11/27/23 09:45

Analyte	Spike Amount ug/m3	LCS Result ug/m3	LCSD Result ug/m3	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
cis-1,2-Dichloroethene	14.9	15.7	15.8	106	106	70.0-130			0.503	25
trans-1,2-Dichloroethene	14.9	15.9	15.7	107	105	70.0-130			1.26	25
Tetrachloroethylene	25.5	28.0	29.0	110	114	70.0-130			3.33	25
Trichloroethylene	20.1	20.9	21.6	104	108	70.0-130			3.53	25
Vinyl chloride	9.59	10.3	10.4	107	108	70.0-130			1.24	25
(S) 1,4-Bromofluorobenzene				98.5	97.9	60.0-140				

6 Qc

7 Gl

8 Al

9 Sc

# GLOSSARY OF TERMS

## Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

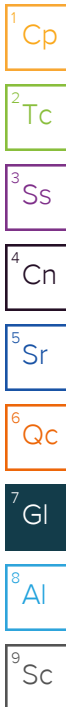
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

### Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



# ACCREDITATIONS & LOCATIONS

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico <sup>1</sup>	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina <sup>1</sup>	DW21704
Georgia	NELAP	North Carolina <sup>3</sup>	41
Georgia <sup>1</sup>	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky <sup>1,6</sup>	KY90010	South Carolina	84004002
Kentucky <sup>2</sup>	16	South Dakota	n/a
Louisiana	AI30792	Tennessee <sup>1,4</sup>	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>6</sup> Wastewater n/a Accreditation not applicable

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



# AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be filled out accurately.

J121

L1681425

<b>Section A</b> Required Client Information: Company: <b>GEA ENVIRONMENTAL INC</b> Address: <b>17975 W. SARAH LANE STE 100</b> <b>BROOKFIELD, WI 53045</b> Email To: <b>BERNARD.FENELOU@GEA.COM</b> Phone: <b>262-754-2560</b> Fax: Requested Due Date/TAT: <b>NORMAL</b>		<b>Section B</b> Required Project Information: Report To: <b>BERNARD FENELOU</b> Copy To: Purchase Order No.: Project Name: <b>CONTINENTAL WEST BEND</b> Project Number: <b>200151364.01</b>		<b>Section C</b> Invoice Information: Attention: Company Name: Address: Pace Quote Reference: Pace Project Manager/Sales Rep. Pace Profile #:		Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other Location of Sampling by State: <b>WI</b> Reporting Units ug/m <sup>3</sup> mg/m <sup>3</sup> PPBV PPMV Other Report Level: II. ___ III. ___ IV. ___ Other ___
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

ITEM #	'Section D Required Client Information <b>AIR SAMPLE ID</b> Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10 3C-Fixed Gas (%) TO-3 TO-3M (Methane) TO-4 (PCBs) TO-13 (PAH) TO-14 TO-15 TO-15 Short List*	Pace Lab ID
					COMPOSITE START		COMPOSITE -							
					DATE	TIME	DATE	TIME						
1	986 LINCOLN DR WEST NORTH S	6LC			1/18/23	9:14	1/18/23		-25	12280	011538			
2														
3														
4														
5														
6														
7														
8	Sample Receipt Checklist COC Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Airs <input checked="" type="checkbox"/> 1L <input type="checkbox"/> 6L <input type="checkbox"/> 1.4L COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Size: <input checked="" type="checkbox"/> G <input type="checkbox"/> W <input type="checkbox"/> P <input type="checkbox"/> B Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Tubing <input type="checkbox"/> Shunt <input type="checkbox"/> Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T/P#:													
9														
10														
11														
12														

Comments :	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS						
PLEASE ANALYZE: PCE; TCE; VC CIS AND TRANS 1,2 DCE	<i>[Signature]</i>	1/18/23	1330	PER FED EX			Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	Y/N	Y/N	Y/N
				Eluk Wahn	1/18/23	0930					Y/N	Y/N	Y/N
											Y/N	Y/N	Y/N
											Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: **CHRIS AINSWORTH**  
 SIGNATURE of SAMPLER: *[Signature]* DATE Signed (MM/DD/YYYY)