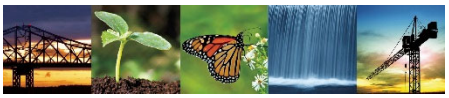

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17975 West Sarah Lane
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Brookfield, WI 53045
T: 262.754.2560
F: 262.923.7758
www.gza.com

July 17, 2024

Ms. Karen McElroy
1006 Lincoln Drive West
West Bend, Wisconsin 53095-4727

Re: Results of the Third Round of Sub-Slab and Indoor Air Testing
1006 Lincoln Drive West
West Bend, Wisconsin

Dear Ms. McElroy:

On behalf of Continental VI Fund Limited Partnership (Continental), GZA GeoEnvironmental, Inc. (GZA) thanks you for allowing us access to conduct air testing in your residence in June 2024. 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 for samples collected in March 2022 and March 2024.

Indoor Air Sampling and Analyses

GZA collected three passive indoor air samples from the basement and first and second floor levels of your home at 1006 Lincoln Drive West and an outside air background sample over a 10-day period from June 21 to July 1, 2024. The passive indoor air samples and outside air background sample were collected with Radiello® RAD145 7- to 10-day passive diffusive sorbent samplers. For sampling, GZA removed the adsorbent media from its sealed, glass container, placed the adsorbent media in the diffusive barrier, and connected the diffusive barrier to a stand for placement at the sampling location. After approximately 10 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 form. 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 and Sanitary Sewer Cleanout 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 July 1, 2024, after completion of the indoor air sampling. The sub-slab soil vapor sample was collected in a 1-liter, evacuated SUMMA® vacuum canisters 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 Eurofins|Air Toxics for analyses of PCE, TCE, cis- and trans-1,2-DCE, and vinyl chloride in accordance with USEPA Method TO-15. The analytical report for the sub-slab soil sample is provided in **Attachment 1**.

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Indoor Air Sample Results

The analytical results for the indoor and background air samples collected in January and March 2022, March 2024, and June/July 2024, are summarized on **Table 1**. Of the four target chemicals included for analyses of indoor air samples, only PCE was detected in the June/July 2024 indoor air samples. PCE was detected in each of the June/July 2024 indoor air samples, but not the background outdoor air sample. The reported PCE concentrations are in the range of 0.39 to 0.72 micrograms per cubic meter (µg/m^3), similar concentrations as reported for the March 2024 indoor air samples and concentrations that are approximately 1% the Residential Indoor Air Vapor Action Level (VAL).

Sub-Slab Soil Vapor Sample Results

The analytical results for the sub-slab vapor samples collected in January 2022, March 2024, and June/July 2024, are summarized on **Table 2**. Of the five chemicals included for analyses of the June/July 2024 sub-slab vapor samples, only PCE was detected. PCE was reported at a concentration of 6.4 µg/m^3, a concentration less than 0.5% the Residential Vapor Risk Screening Level (VRSL).

Conclusions

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.

Future Sampling

As this is the third and final round of Wisconsin Department of Natural Resources (WDNR)-requested testing, we will contact you to remove the sampling probes in your basement floor when the WDNR agrees that additional sampling is not warranted.

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\
2024 07 17 FINAL 156364.01 1006 Lincoln Dr W McElroy 3rd Round SS and IAQ Results Letter.docx

Attachments: Tables 1 and 2
Laboratory Analytical Reports

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

TABLES

TABLE 1
1006 LINCOLN DRIVE WEST INDOOR AIR ANALYTICAL RESULTS
West Bend, Wisconsin

Owner	Address - Sample Date	Residential Indoor Air Vapor Action Levels[3,4] (µg/m³)	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
			NS	42	42	2.1	1.7
McElroy	1006 Lincoln Drive West-Basement	1/5-6/2022	**1.9**	<0.26	**1.9**	***2.3***	<0.13
	1006 Lincoln Drive West-1st Floor	1/5-6/2022	<0.30	<0.26	<0.45	<0.30	<0.13
	1006 Lincoln Drive West-2nd Floor	1/5-6/2022	<0.30	**4.2**	<0.45	<0.30	<0.13
	1006 Lincoln Drive West-Background	1/5-6/2022	<0.26	<0.23	<0.39	<0.26	<0.12
	1006 Lincoln Drive West	2/10/2022	Moved various household chemicals from basement to garage.				
	1006 Lincoln Drive West-Basement	3/17-18/2022	<0.32	<0.28	<0.48	<0.32	<0.14
	1006 Lincoln Drive West-Background	3/17-18/2022	<0.31	**1.9**	<0.46	<0.31	<0.14
	1006 Lincoln Drive West-Basement	3/7-15/2024	<0.14 C	<0.29 C	**0.47**	<0.13	NA
	1006 Lincoln Drive West-1st Floor	3/7-15/2024	<0.14 C	<0.29 C	**0.55**	<0.13	NA
	1006 Lincoln Drive West-2nd Floor	3/7-15/2024	<0.14 C	<0.29 C	**0.44**	<0.13	NA
	1006 Lincoln Drive West-Background	3/7-15/2024	<0.14 C	<0.29 C	<0.15	<0.13	NA
	1006 Lincoln Drive West-Basement	6/21-7/1/2024	<0.12 C	<0.24 C	**0.53**	<0.10	NA
	1006 Lincoln Drive West-1st Floor	6/21-7/1/2024	<0.12 C	<0.24 C	**0.72**	<0.10	NA
	1006 Lincoln Drive West-2nd Floor	6/21-7/1/2024	<0.12 C	<0.24 C	**0.39**	<0.10	NA
	1006 Lincoln Drive West-Background	6/21-7/1/2024	<0.12 C	<0.24 C	<0.12	<0.10	NA

Notes:

1. Indoor-Air samples were collected by GZA GeoEnvironmental, Inc. for analysis by Eurofins or Pace Analytical, Inc. for cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride in accordance with USEPA Method TO-15 or TO-17.
2. Results are provided in micrograms per cubic meter (µg/m³).
3. Screening levels are obtained from a WDNR webpage at the following link: https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.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.
8. "C" denotes "Estimated concentration due to calculated sampling rate."

TABLE 2
1006 LINCOLN DRIVE WEST SUB-SLAB VAPOR ANALYTICAL RESULTS
West Bend, Wisconsin

Owner	Address - Sample	Sub-Slab Residential Vapor Inhalation Screening Levels[3,4] (µg/m³)	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
			NS	1,400	1,400	70	56
McElroy	1006 Lincoln Drive West-East-SS	1/6/2022	<0.33	<0.29	**26.7**	<0.34	<0.15
	1006 Lincoln Drive West-West-SS	1/6/2022	<0.33	<0.29	**13.3**	<0.34	<0.15
	1006 Lincoln Drive West-East-SS	3/15/2024	<0.99	<1.3	<2.0	<1.8	<1.7
	1006 Lincoln Drive West-Cleanout	3/15/2024	<0.99	<1.3	<2.0	<1.8	<1.7
	1006 Lincoln Drive West-East-SS	7/1/2024	<3.7	<3.7	**6.4**	<5.1	<2.4

Notes:

1. Sub-slab vapor samples were collected by GZA GeoEnvironmental, Inc. from sub-slab vapor monitoring points for analysis by Eurofins 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 (µg/m^3).
3. Screening levels are obtained from a WDNR webpage at the following link: https://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.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 Reports and Chain-of-Custody Documentation

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7/11/2024
Mr. Bernard Fenelon
GZA GeoEnvironmental, Inc.
17975 West Sarah Lane
Ste 100
Brookfield WI 53045

Project Name: CONTINENTAL-WEST BEND
Project #: 20.015
Workorder #: 2407063

Dear Mr. Bernard Fenelon

The following report includes the data for the above referenced project for sample(s) received on 7/3/2024 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

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WORK ORDER #: 2407063

Work Order Summary

CLIENT:	Mr. Bernard Fenelon GZA GeoEnvironmental, Inc. 17975 West Sarah Lane Ste 100 Brookfield, WI 53045	**BILL TO:**	Mr. Bernard Fenelon GZA GeoEnvironmental, Inc. 17975 West Sarah Lane Ste 100 Brookfield, WI 53045
PHONE:	262-754-2594	**P.O. #**	
FAX:	262754-9711	**PROJECT #**	20.015 CONTINENTAL-WEST BEND
DATE RECEIVED:	07/03/2024	**CONTACT:**	Jade White
DATE COMPLETED:	07/11/2024		

FRACTION #	NAME	TEST
01A	1006 LINCOLN DR. W 1ST FLOOR IA	Passive S.E. RAD130/SKC
02A	1006 LINCOLN DR. W 2ND FLOOR IA	Passive S.E. RAD130/SKC
03A	1006 LINCOLN DR. W BASEMENT IA	Passive S.E. RAD130/SKC
04A	1006 LINCOLN DR. W BACKGROUND I	Passive S.E. RAD130/SKC
05A	Lab Blank	Passive S.E. RAD130/SKC
06A	CCV	Passive S.E. RAD130/SKC
07A	LCS	Passive S.E. RAD130/SKC
07AA	LCSD	Passive S.E. RAD130/SKC

CERTIFIED BY: Heidi Hayes DATE: 07/11/24

Technical Director

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.

LABORATORY NARRATIVE
RAD130 Passive SE by Mod EPA TO-17
GZA GeoEnvironmental, Inc.
Workorder# 2407063

Four Radiello 130 (Solvent) samples were received on July 03, 2024. 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:

Requirement	***TO-17***	***ATL Modifications***
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

The Chain of Custody contained incorrect method information. The laboratory proceeded with the analysis as per the original contract or verbal agreement.

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.

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.

To calculate ug/m3 concentrations in the Lab Blank, a sampling duration of 14406 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.

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

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

Client Sample ID: 1006 LINCOLN DR. W 1ST FLOOR IA

Lab ID#: 2407063-01A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.59	0.72

Client Sample ID: 1006 LINCOLN DR. W 2ND FLOOR IA

Lab ID#: 2407063-02A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.32	0.39

Client Sample ID: 1006 LINCOLN DR. W BASEMENT IA

Lab ID#: 2407063-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Tetrachloroethene	0.10	0.12	0.43	0.53

Client Sample ID: 1006 LINCOLN DR. W BACKGROUND IA

Lab ID#: 2407063-04A

No Detections Were Found.

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Client Sample ID: 1006 LINCOLN DR. W 1ST FLOOR IA

Lab ID#: 2407063-01A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070816sim**	**Date of Collection: 7/1/24 1:04:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 03:03 PM**	
		Date of Extraction: 7/8/24	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.59	0.72
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.24	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 65.0F , duration time = 14406 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130

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Client Sample ID: 1006 LINCOLN DR. W 2ND FLOOR IA

Lab ID#: 2407063-02A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070817sim**	**Date of Collection: 7/1/24 1:07:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 03:34 PM**	
		Date of Extraction: 7/8/24	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.32	0.39
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.24	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 65.0F , duration time = 14405 minutes.
Container Type: Radiello 130 (Solvent)

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

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Client Sample ID: 1006 LINCOLN DR. W BASEMENT IA

Lab ID#: 2407063-03A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070818sim**	**Date of Collection: 7/1/24 1:02:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 04:05 PM**	
		Date of Extraction: 7/8/24	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	0.43	0.53
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.24	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 65.0F , duration time = 14397 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

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Client Sample ID: 1006 LINCOLN DR. W BACKGROUND IA

Lab ID#: 2407063-04A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070819sim**	**Date of Collection: 7/1/24 1:09:00 PM**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 04:35 PM**	
		Date of Extraction: 7/8/24	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.24	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 65.0F , duration time = 14397 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2407063-05A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070808sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 11:07 AM**	
		Date of Extraction: 7/8/24	

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Trichloroethene	0.10	0.10	Not Detected	Not Detected
Tetrachloroethene	0.10	0.12	Not Detected	Not Detected
cis-1,2-Dichloroethene	0.10	0.12	Not Detected C	Not Detected C
trans-1,2-Dichloroethene	0.20	0.24	Not Detected C	Not Detected C

C = Estimated concentration due to calculated sampling rate.

Temperature = 65.0F , duration time = 14406 minutes.
Container Type: Radiello 130 (Solvent)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130

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Client Sample ID: CCV

Lab ID#: 2407063-06A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070804sim**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 08:47 AM**
		Date of Extraction: NA

Compound	%Recovery
Trichloroethene	96
Tetrachloroethene	98
cis-1,2-Dichloroethene	96
trans-1,2-Dichloroethene	98

Container Type: NA - Not Applicable

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

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Client Sample ID: LCS

Lab ID#: 2407063-07A

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070806sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 09:46 AM**	
		Date of Extraction: 7/8/24	

Compound	%Recovery	Method Limits
Trichloroethene	97	70-130
Tetrachloroethene	94	70-130
cis-1,2-Dichloroethene	106	70-130
trans-1,2-Dichloroethene	108	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130

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Client Sample ID: LCSD

Lab ID#: 2407063-07AA

VOCS BY PASSIVE SAMPLER - GC/MS

File Name:	**c070807sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/8/24 10:39 AM**	
		Date of Extraction: 7/8/24	

Compound	%Recovery	Method Limits
Trichloroethene	96	70-130
Tetrachloroethene	95	70-130
cis-1,2-Dichloroethene	100	70-130
trans-1,2-Dichloroethene	101	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130

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Method : Passive SE GC/MS - c&t-1,2-DCE, PCE & TCE

CAS Number	Compound	Rpt. Limit (ug)
79-01-6	**Trichloroethene**	**0.10**
127-18-4	Tetrachloroethene	0.10
156-59-2	**cis-1,2-Dichloroethene**	**0.10**
156-60-5	**trans-1,2-Dichloroethene**	**0.20**

	Surrogate	Method Limits
2037-26-5	Toluene-d8	70-130

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Passive Sorbent Chain of Custody

WO#: 2407063

Case Seal #: _____

Company: GZA GeoEnvironmental | Project #: 20.015 | P.O.#

Project Manager: BERNARD FENCLON | Project Name: CONTINENTAL - WEST BEND

Contact phone/email: BERNARD.FENCLON@GZA.COM | Collected by: C. AINSWORTH

Sample Matrix (check one): Indoor/Outdoor Air | Soil Gas | Workplace Monitoring | Other( )

Reporting Units (circle): ppbv ug/m3 | ppmv mg/m3 | ug ng

Turn Around Time: [X] Normal | [ ] Rush _____ Specify

Lab ID	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)	Indoor/Outdoor Air	Soil Gas	Workplace Monitoring	Other	Analysis Requested	Sample Comments:
01A	1006 LINCOLN DR. W 1ST FLOOR IA	UC770	6/21/2024	1258	7/1/2024	1304	X				TO-15	65° F indoor temp
02A	1006 LINCOLN DR. W 2ND FLOOR IA	UC771		1302	7/1/2024	1307	X				TO-15	65° F indoor temp
03A	1006 LINCOLN DR. W BASEMENT IA	UC772		1305	7/1/2024	1302	X					
04A	1006 LINCOLN DR. W BACKGROUND IA	UC773		1312	7/1/2024	1309	X					

Relinquished by:	Date	Time	Received by:	Date	Time	Notes to Lab:
[signature]	7/1/24	1510	PER FED EX			PLEASE ANALYZE: PCE; TCE; CIS AND TRANS 1,2 DCE
Relinquished by:	Date	Time	Received by:	Date	Time	
			[signature] ATL	7/3/24	0943	

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, or shipping of samples.

Lab Use Only

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

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7/15/2024
Mr. Bernard Fenelon
GZA GeoEnvironmental, Inc.
17975 West Sarah Lane
Ste 100
Brookfield WI 53045

Project Name: Continental - West Bend
Project #: 20.0156364.01
Workorder #: 2407178

Dear Mr. Bernard Fenelon

The following report includes the data for the above referenced project for sample(s) received on 7/3/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

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

Regards,

Jade White

Project Manager

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WORK ORDER #: 2407178

Work Order Summary

CLIENT:	Mr. Bernard Fenelon GZA GeoEnvironmental, Inc. 17975 West Sarah Lane Ste 100 Brookfield, WI 53045	**BILL TO:**	Mr. Bernard Fenelon GZA GeoEnvironmental, Inc. 17975 West Sarah Lane Ste 100 Brookfield, WI 53045
PHONE:	262-754-2594	**P.O. #**	
FAX:	262754-9711	**PROJECT #**	20.0156364.01 Continental - West Bend
DATE RECEIVED:	07/03/2024	**CONTACT:**	Jade White
DATE COMPLETED:	07/15/2024		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	1006 LINCOLN DR WEST-EAST SS	TO-15	3.5 "Hg	9.9 psi
02A	Lab Blank	TO-15	NA	NA
03A	CCV	TO-15	NA	NA
04A	LCS	TO-15	NA	NA
04AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes DATE: 07/15/24

Technical Director

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
EPA Method TO-15
GZA GeoEnvironmental, Inc.
Workorder# 2407178

One 1 Liter Summa Canister sample was received on July 03, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

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

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

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

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

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Summary of Detected Compounds
EPA METHOD TO-15 GC/MS

Client Sample ID: 1006 LINCOLN DR WEST-EAST SS

Lab ID#: 2407178-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	0.94	2.4	6.4	16

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Client Sample ID: 1006 LINCOLN DR WEST-EAST SS

Lab ID#: 2407178-01A

EPA METHOD TO-15 GC/MS

File Name:	**p071125**	**Date of Collection: 7/1/24 1:46:00 PM**	
Dil. Factor:	**1.89**	**Date of Analysis: 7/12/24 08:22 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.94	Not Detected	2.4	Not Detected
cis-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Trichloroethene	0.94	Not Detected	5.1	Not Detected
Tetrachloroethene	0.94	2.4	6.4	16
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	110	70-130
4-Bromofluorobenzene	92	70-130

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Client Sample ID: Lab Blank

Lab ID#: 2407178-02A

EPA METHOD TO-15 GC/MS

File Name:	**p071110**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/24 09:01 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	93	70-130

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Client Sample ID: CCV

Lab ID#: 2407178-03A

EPA METHOD TO-15 GC/MS

File Name:	**p071103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/24 04:55 PM**	

Compound	%Recovery
Vinyl Chloride	105
cis-1,2-Dichloroethene	90
Trichloroethene	117
Tetrachloroethene	109
trans-1,2-Dichloroethene	87

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	114	70-130
4-Bromofluorobenzene	116	70-130

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Client Sample ID: LCS

Lab ID#: 2407178-04A

EPA METHOD TO-15 GC/MS

File Name:	**p071104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/24 05:25 PM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	109	70-130
cis-1,2-Dichloroethene	92	70-130
Trichloroethene	117	70-130
Tetrachloroethene	108	70-130
trans-1,2-Dichloroethene	92	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	111	70-130
4-Bromofluorobenzene	111	70-130

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Client Sample ID: LCSD

Lab ID#: 2407178-04AA

EPA METHOD TO-15 GC/MS

File Name:	**p071105**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/11/24 05:54 PM**	

Compound	%Recovery	Method Limits
Vinyl Chloride	112	70-130
cis-1,2-Dichloroethene	93	70-130
Trichloroethene	112	70-130
Tetrachloroethene	107	70-130
trans-1,2-Dichloroethene	93	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	107	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	112	70-130

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Method : TO-15 (Sh)-c/t-1,2-DCE, PCE, TCE & VC

CAS Number	Compound	Rpt. Limit (ppbv)
75-01-4	Vinyl Chloride	0.50
156-59-2	cis-1,2-Dichloroethene	0.50
79-01-6	Trichloroethene	0.50
127-18-4	Tetrachloroethene	0.50
156-60-5	trans-1,2-Dichloroethene	0.50

	Surrogate	Method Limits
17060-07-0	1,2-Dichloroethane-d4	70-130
2037-26-5	Toluene-d8	70-130
460-00-4	4-Bromofluorobenzene	70-130

Analysis Request / Canister Chain of Custody

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Eurofins Environment Testing Northern California, LLC
180 Blue Ravine Rd. Suite B, Folsom, CA 95630
Phone (800) 985-5955; Fax (916) 351-8279

Workorder #: 2407178

Instructions

If no TAT is marked, EATL will proceed with Standard TAT

page 1 of 1

Client: GEL GEOENVIRONMENTAL INC
Site Name: CONFIDENTIAL - WEST BEND
Project Manager: BERNARD FENELON
Sampler: C. ACKSWORTH

Project Name: CONFIDENTIAL - WEST BEND
Project #: 20.01563641.01
PO#:

Turnaround Time (Specify Below)
Standard X Rush _____ (Surcharges will apply, per availability)
Samples received after 3PM PST are considered to be received on the following workday. *
Requested Date (mm/dd/yy): $
OR Number of Days:

Lab ID	Field Sample Identification (Location)	Canister Barcode #	Flow Controller Barcode #	Start Sampling Information		Stop Sampling Information		Requested Analyses				Canister Vacuum/Pressure		Lab Use Only	
				Date	Time	Date	Time	Knee Bend				Initial (in "Hg)	Final (in "Hg)	Receipt (in "Hg)	Final (in psi) Gas: N2 / He
01A	1006 LINCOLN DR WEST - EAST SS	1L4364	26603	7/1/24	1331	7/1/24	1346	X				-27.5	-4		

Special Instructions/Notes: *PLEASE ANALYZE: CIS AND TRANS 1,2 DCE; PCE; TCE; VC

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
	7/1/24	1510	PER FED EX		
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
			EATL	7/3/24	0943
Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time

Lab Use Only

Shipper Name: FEDEX | Custody Seals Intact? Yes No None | Condition:

Sample Transportation Notice: 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. D.O.T Hotline (800) 467-4922