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December 15, 2023

Ms. Susan Wertis
981 Lincoln Drive West
West Bend, Wisconsin 53095-4724

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

Dear Ms. Wertis:

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 March 2022. As further described below, the results of the third round 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 results obtained in November 2021 and March 2022.

Indoor Air Sampling and Analyses

GZA collected three passive indoor air samples from the basement and first floor levels of your home at 981 Lincoln Drive West and an outside air background sample over an eight-day period from November 13 to 22, 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 the sealed glass containers, placed the adsorbent media in the diffusive barrier, and connected the diffusive barrier to a stand for placement at the sampling locations. After approximately nine 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 was removed from and returned to its sealed glass container 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 22, 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 November 2021, March 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 November 2021 and March 2022 indoor air samples. In summary, based on the testing we conducted, 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 November 2021, March 2022, and November 2023, are summarized on the **Table 2**. Of the five chemicals included for analysis of the sub-slab vapor sample, only PCE was detected. PCE was detected at a concentration of 27.1 micrograms per cubic meter ($\mu g/m^3$), a concentration less than 2% of the Wisconsin Department of Natural Resources (WDNR) allowable residential sub-slab screening level of 1,400 $\mu g/m^3$. For the five sub-slab samples collected from 2021 to 2023, the PCE concentration averaged less than 25 $\mu g/m^3$, a concentration also less than 2% of the WDNR allowable residential sub-slab screening level. 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 requested three rounds of sub-slab and indoor air testing. As the three rounds of sampling have been completed and the results demonstrate compliance with WDNR sub-slab and indoor air screening levels, we will contact you to remove the sub-slab sampling ports after receiving confirmation from the WDNR.

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_01 981 Lincoln Dr W Wertis Third Rnd 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[3,4] (µg/m³) | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | VC |
|---|---|---|---|---|---|---|---|
| | | | 42 | 42 | 42 | 2.1 | 1.7 |
| Wertis | 981 Lincoln Drive West-Basement | 11/29-30/2021 | <0.29 | <0.25 | <0.44 | <0.29 | <0.13 |
| | 981 Lincoln Drive West-1st Floor | 11/29-30/2021 | <0.30 | <0.26 | <0.45 | <0.30 | <0.13 |
| | 981 Lincoln Drive West-2nd Floor | 11/29-30/2021 | <0.30 | <0.26 | <0.44 | <0.30 | <0.13 |
| | 981 Lincoln Drive West-Background | 11/29-30/2021 | <0.27 | <0.24 | <0.41 | <0.28 | <0.12 |
| | 981 Lincoln Drive West-Basement | 3/23-24/2022 | <0.31 | <0.27 | <0.47 | <0.32 | <0.14 |
| | 981 Lincoln Drive West-1st Floor | 3/23-24/2022 | <0.32 | <0.28 | <0.48 | <0.32 | <0.14 |
| | 981 Lincoln Drive West-2nd Floor | 3/23-24/2022 | <0.31 | <0.27 | <0.47 | <0.32 | <0.14 |
| | 981 Lincoln Drive West-Background | 3/23-24/2022 | <0.28 | <0.25 | <0.43 | <0.29 | <0.13 |
| | 981 Lincoln Drive West-Basement | 11/13-22/2023 | <0.12 | <0.26 | <0.13 | <0.11 | NA |
| | 981 Lincoln Drive West-1st Floor | 11/13-22/2023 | <0.12 | <0.26 | <0.13 | <0.11 | NA |
| | 981 Lincoln Drive West-2nd Floor | 11/13-22/2023 | <0.12 | <0.26 | <0.13 | <0.11 | NA |
| | 981 Lincoln Drive West-Background | 11/13-22/2023 | <0.12 | <0.26 | <0.13 | <0.11 | 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 (µg/m³).
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[3,4] (µg/m³) | cis-1,2-DCE | trans-1,2-DCE | PCE | TCE | VC |
|---|---|---|---|---|---|---|---|
| | | | 1,400 | 1,400 | 1,400 | 70 | 56 |
| Wertis | 981 Lincoln Drive West-South-SS | 11/30/2021 | <0.33 | <0.28 | **16.6** | <0.33 | <0.15 |
| | 981 Lincoln Drive West-North-SS | 11/30/2021 | <0.33 | <0.28 | **27.6** | <0.33 | <0.15 |
| | 981 Lincoln Drive West-South-SS | 3/24/2022 | <0.35 | <0.30 | **20.1** | <0.35 | <0.15 |
| | 981 Lincoln Drive West-North-SS | 3/24/2022 | <0.38 | <0.33 | **33.0** | <0.38 | <0.17 |
| | 981 Lincoln Drive West-North-SS | 11/22/2023 | <0.311 | <0267 | **27.1** | <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 Folsum, 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 (µg/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**

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12/5/2023
Mr. Bernard Fenelon
GZA GeoEnvironmental, Inc.
17975 West Sarah Lane
Suite 100
Brookfield WI 53045

Project Name: CONTINENTIAL - WEST BEND
Project #: 20.0156364.01
Workorder #: 2311539

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

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# WORK ORDER #: 2311539

Work Order Summary

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

| FRACTION # | NAME | TEST |
|---|---|---|
| 01A | 981 LINCOLN DR WEST - BASEMENT I | Passive S.E. RAD130/SKC |
| 02A | 981 LINCOLN DR WEST - 1st FLOOR IA | Passive S.E. RAD130/SKC |
| 03A | 981 LINCOLN DR WEST - 2nd FLOOR IA | Passive S.E. RAD130/SKC |
| 04A | 981 LINCOLN DR WEST - BACKGROUN | 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: 12/05/23

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.

**LABORATORY NARRATIVE**
**RAD130 Passive SE by Mod EPA TO-17**
**GZA GeoEnvironmental, Inc.**
**Workorder# 2311539**

Four 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:

| ***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

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/m3 concentrations in the Lab Blank, a sampling duration of 13040 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

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

**Client Sample ID: 981 LINCOLN DR WEST - BASEMENT IA**

**Lab ID#: 2311539-01A**

No Detections Were Found.

**Client Sample ID: 981 LINCOLN DR WEST - 1st FLOOR IA**

**Lab ID#: 2311539-02A**

No Detections Were Found.

**Client Sample ID: 981 LINCOLN DR WEST - 2nd FLOOR IA**

**Lab ID#: 2311539-03A**

No Detections Were Found.

**Client Sample ID: 981 LINCOLN DR WEST - BACKGROUND IA**

**Lab ID#: 2311539-04A**

No Detections Were Found.

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**Client Sample ID: 981 LINCOLN DR WEST - BASEMENT IA**

**Lab ID#: 2311539-01A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | |
|---|---|---|
| **File Name:** | **18120412sim** | **Date of Collection: 11/22/23 11:22:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/4/23 01:26 PM** |
| | | **Date of Extraction: 12/4/23** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.10 | 0.11 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.13 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.12 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.26 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 13027 minutes.
**Container Type: Radiello 130 (Solvent)**

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

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**Client Sample ID: 981 LINCOLN DR WEST - 1st FLOOR IA**

**Lab ID#: 2311539-02A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | |
|---|---|---|
| **File Name:** | **18120413sim** | **Date of Collection: 11/22/23 11:25:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/4/23 01:54 PM** |
| | | **Date of Extraction: 12/4/23** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.10 | 0.11 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.13 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.12 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.26 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 13034 minutes.
**Container Type: Radiello 130 (Solvent)**

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

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**Client Sample ID: 981 LINCOLN DR WEST - 2nd FLOOR IA**

**Lab ID#: 2311539-03A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | | |
|---|---|---|---|
| **File Name:** | **18120414sim** | **Date of Collection:** | **11/22/23 11:29:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis:** | **12/4/23 02:22 PM** |
| | | **Date of Extraction:** | **12/4/23** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.10 | 0.11 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.13 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.12 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.26 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 13036 minutes.
**Container Type: Radiello 130 (Solvent)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 106 | 70-130 |

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**Client Sample ID: 981 LINCOLN DR WEST - BACKGROUND IA**

**Lab ID#: 2311539-04A**

**VOCS BY PASSIVE SAMPLER - GC/MS**

| | | |
|---|---|---|
| **File Name:** | **18120415sim** | **Date of Collection: 11/22/23 11:37:00 A** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 12/4/23 02:49 PM** |
| | | **Date of Extraction: 12/4/23** |

| Compound | Rpt. Limit (ug) | Rpt. Limit (ug/m3) | Amount (ug) | Amount (ug/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.10 | 0.11 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.13 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.12 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.26 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 13040 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#: 2311539-05A**

**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 | 0.11 | Not Detected | Not Detected |
| Tetrachloroethene | 0.10 | 0.13 | Not Detected | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | 0.12 | Not Detected C | Not Detected C |
| trans-1,2-Dichloroethene | 0.20 | 0.26 | Not Detected C | Not Detected C |

C = Estimated concentration due to calculated sampling rate.

Temperature = 77.0F , duration time = 13040 minutes.
**Container Type: Radiello 130 (Solvent)**

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

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**Client Sample ID: CCV**

**Lab ID#: 2311539-06A**

**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 |

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**Client Sample ID: LCS**

**Lab ID#: 2311539-07A**

**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 |

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**Client Sample ID: LCSD**

**Lab ID#: 2311539-07AA**

**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 |

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# Passive Sorbent Chain of Custody

WO#: 2311539

Case Seal #:

Company: GZA GeoEnvironmental
Project #: 20.0156364.01 P.O.#
Project Manager: BERNARD FENELON
Project Name: CONTINENTAL-WEST BEND
Contact phone/email: BERNARD.FENELON@GZA.COM
Collected by: C. ANGUOTTI

| 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) | Sample Matrix (check one): Indoor/Outdoor Air | Soil Gas | Workplace Monitoring | Other | Analysis Requested | Sample Comments: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01A | 981 LINCOLN DR WEST - BASEMENT IA | TP574 | 11/17/23 | 1015 | 11/22/23 | 1122 | X | | | | TO-15 | 65° F indoor temp |
| 02A | 981 LINCOLN DR WEST - 1ST FLOOR IA | TP577 | | 1011 | | 1125 | X | | | | TO-15 | 65° F indoor temp |
| 03A | 981 LINCOLN DR WEST - 2ND FLOOR IA | TP576 | | 1013 | | 1129 | X | | | | TO-15 | |
| 04A | 981 LINCOLN DR WEST - BACKGROUND IA | TP579 | | 1017 | | 1137 | X | | | | TO-15 | |

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

Turn Around Time: [X] Normal [ ] Rush (Specify)

| Relinquished by: | Date | Time | Received by: | Date | Time | Notes to Lab: |
|---|---|---|---|---|---|---|
| | 11/22/23 | 1330 | FED EX | | | PLEASE ANALYZE: PCE; TCE; VC Cis AND TRANS 1,2 DCE |
| Relinquished by: | Date | Time | Received by: | Date | Time | |
| | | | EATL | 11/27/23 | 0937 | |

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
Air bill #:

Custody Seals Intact? (Yes) No None
Temperature (°C)

Sample Condition Upon Receipt: (Good) SDR

**ATTACHMENT 2**

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

# ANALYTICAL REPORT

December 01, 2023



## GZA GeoEnvironmental - Brookfield, WI

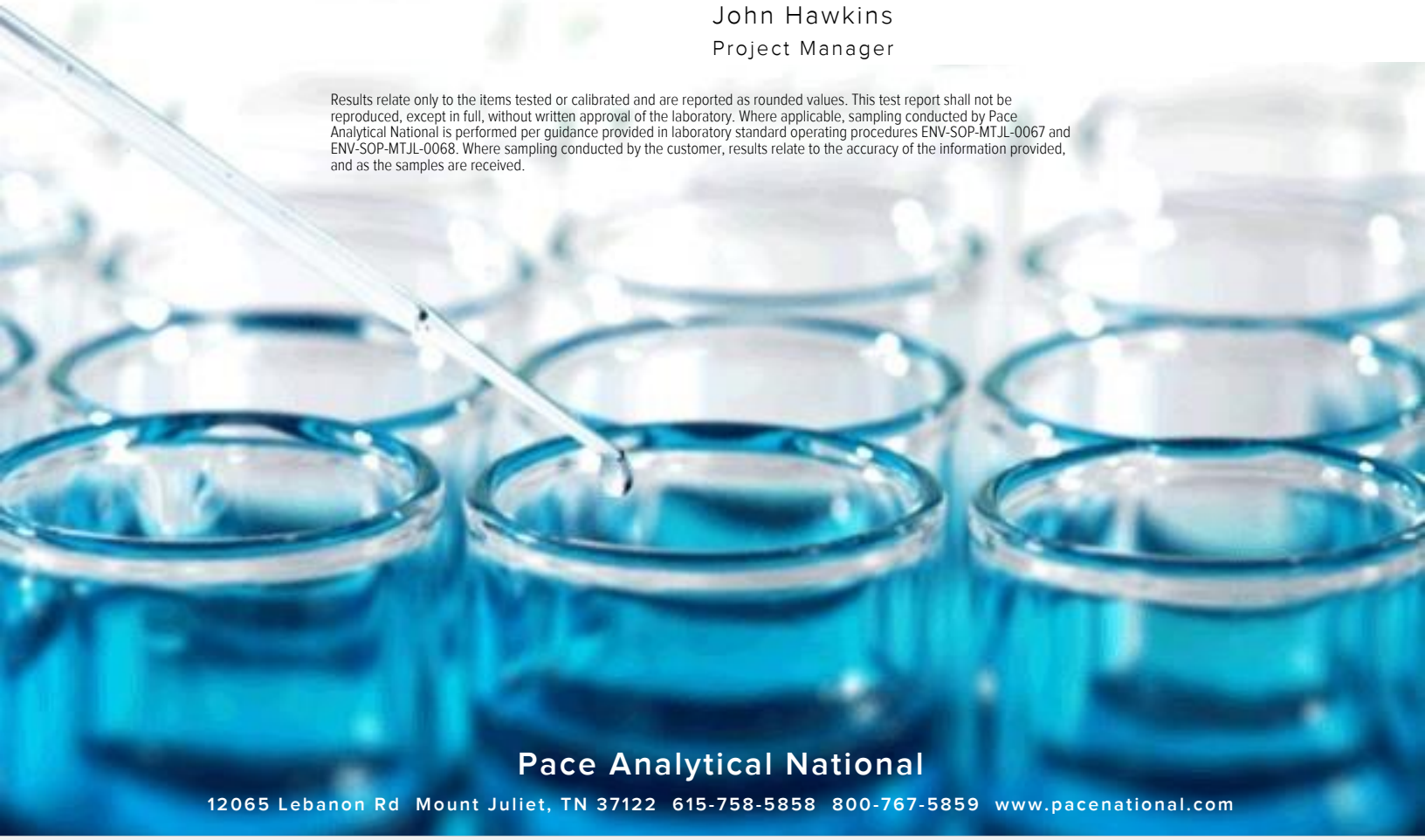
| | |
|---|---|
| Sample Delivery Group: | L1681428 |
| Samples Received: | 11/24/2023 |
| Project Number: | 20.0156364.01 |
| Description: | Continental-West Bend |

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

Entire Report Reviewed By:

John Hawkins
Project Manager





Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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## 981 LINCOLN DR. WEST-NORTH SS L1681428-01 Air

| Collected by | Collected date/time | Received date/time |
|---|---|---|
| Chris Ainsworth | 11/22/23 11:49 | 11/24/23 09:30 |

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (MS) by Method TO-15 | WG2177938 | 1 | 11/27/23 22:26 | 11/27/23 22:26 | DAH | Mt. Juliet, TN |

# 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

## Volatile Organic Compounds (MS) by Method TO-15

| Analyte | CAS # | Mol. Wt. | MDL ug/m3 | RDL ug/m3 | Result ug/m3 | Qualifier | Dilution | Batch |
|---|---|---|---|---|---|---|---|---|
| Acetone | 67-64-1 | 58.10 | 1.39 | 4.63 | 4.25 | J | 1 | WG2177938 |
| Allyl chloride | 107-05-1 | 76.53 | 0.357 | 1.19 | U | | 1 | WG2177938 |
| Benzene | 71-43-2 | 78.10 | 0.228 | 0.760 | U | | 1 | WG2177938 |
| Benzyl Chloride | 100-44-7 | 127 | 0.311 | 1.03 | U | | 1 | WG2177938 |
| Bromodichloromethane | 75-27-4 | 164 | 0.471 | 1.57 | U | | 1 | WG2177938 |
| Bromoform | 75-25-2 | 253 | 0.757 | 2.52 | U | | 1 | WG2177938 |
| Bromomethane | 74-83-9 | 94.90 | 0.381 | 1.27 | U | | 1 | WG2177938 |
| 1,3-Butadiene | 106-99-0 | 54.10 | 0.230 | 0.768 | U | | 1 | WG2177938 |
| Carbon disulfide | 75-15-0 | 76.10 | 0.317 | 1.06 | U | | 1 | WG2177938 |
| Carbon tetrachloride | 56-23-5 | 154 | 0.461 | 1.54 | U | | 1 | WG2177938 |
| Chlorobenzene | 108-90-7 | 113 | 0.385 | 1.28 | U | | 1 | WG2177938 |
| Chloroethane | 75-00-3 | 64.50 | 0.263 | 0.876 | U | | 1 | WG2177938 |
| Chloroform | 67-66-3 | 119 | 0.349 | 1.16 | U | | 1 | WG2177938 |
| Chloromethane | 74-87-3 | 50.50 | 0.213 | 0.708 | U | | 1 | WG2177938 |
| 2-Chlorotoluene | 95-49-8 | 126 | 0.427 | 1.42 | U | | 1 | WG2177938 |
| Cyclohexane | 110-82-7 | 84.20 | 0.259 | 0.864 | U | | 1 | WG2177938 |
| Dibromochloromethane | 124-48-1 | 208 | 0.618 | 2.06 | U | | 1 | WG2177938 |
| 1,2-Dibromoethane | 106-93-4 | 188 | 0.554 | 1.85 | U | | 1 | WG2177938 |
| 1,2-Dichlorobenzene | 95-50-1 | 147 | 0.770 | 2.57 | U | | 1 | WG2177938 |
| 1,3-Dichlorobenzene | 541-73-1 | 147 | 1.09 | 3.65 | U | | 1 | WG2177938 |
| 1,4-Dichlorobenzene | 106-46-7 | 147 | 0.335 | 1.12 | U | | 1 | WG2177938 |
| 1,2-Dichloroethane | 107-06-2 | 99 | 0.283 | 0.943 | U | | 1 | WG2177938 |
| 1,1-Dichloroethane | 75-34-3 | 98 | 0.290 | 0.966 | U | | 1 | WG2177938 |
| 1,1-Dichloroethene | 75-35-4 | 96.90 | 0.302 | 1.01 | U | | 1 | WG2177938 |
| cis-1,2-Dichloroethene | 156-59-2 | 96.90 | 0.311 | 1.03 | U | | 1 | WG2177938 |
| trans-1,2-Dichloroethene | 156-60-5 | 96.90 | 0.267 | 0.888 | U | | 1 | WG2177938 |
| 1,2-Dichloropropane | 78-87-5 | 113 | 0.351 | 1.17 | U | | 1 | WG2177938 |
| cis-1,3-Dichloropropene | 10061-01-5 | 111 | 0.313 | 1.04 | U | | 1 | WG2177938 |
| trans-1,3-Dichloropropene | 10061-02-6 | 111 | 0.331 | 1.10 | U | | 1 | WG2177938 |
| 1,4-Dioxane | 123-91-1 | 88.10 | 0.300 | 1.00 | U | | 1 | WG2177938 |
| Ethanol | 64-17-5 | 46.10 | 0.500 | 1.66 | 10.1 | B | 1 | WG2177938 |
| Ethylbenzene | 100-41-4 | 106 | 0.362 | 1.21 | U | | 1 | WG2177938 |
| 4-Ethyltoluene | 622-96-8 | 120 | 0.384 | 1.28 | U | | 1 | WG2177938 |
| Trichlorofluoromethane | 75-69-4 | 137.40 | 0.460 | 1.53 | 1.22 | J | 1 | WG2177938 |
| Dichlorodifluoromethane | 75-71-8 | 120.92 | 0.678 | 2.26 | 2.22 | J | 1 | WG2177938 |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 187.40 | 0.608 | 2.02 | U | | 1 | WG2177938 |
| 1,2-Dichlorotetrafluoroethane | 76-14-2 | 171 | 0.622 | 2.08 | U | | 1 | WG2177938 |
| Heptane | 142-82-5 | 100 | 0.425 | 1.42 | U | | 1 | WG2177938 |
| Hexachloro-1,3-butadiene | 87-68-3 | 261 | 1.12 | 3.74 | U | | 1 | WG2177938 |
| n-Hexane | 110-54-3 | 86.20 | 0.726 | 2.42 | U | | 1 | WG2177938 |
| Isopropylbenzene | 98-82-8 | 120.20 | 0.382 | 1.27 | U | | 1 | WG2177938 |
| Methylene Chloride | 75-09-2 | 84.90 | 0.340 | 1.13 | 3.08 | | 1 | WG2177938 |
| Methyl Butyl Ketone | 591-78-6 | 100 | 0.544 | 1.81 | U | | 1 | WG2177938 |
| 2-Butanone (MEK) | 78-93-3 | 72.10 | 0.240 | 0.799 | U | | 1 | WG2177938 |
| 4-Methyl-2-pentanone (MIBK) | 108-10-1 | 100.10 | 0.313 | 1.04 | U | | 1 | WG2177938 |
| Methyl methacrylate | 80-62-6 | 100.12 | 0.359 | 1.20 | U | | 1 | WG2177938 |
| MTBE | 1634-04-4 | 88.10 | 0.233 | 0.778 | U | | 1 | WG2177938 |
| Naphthalene | 91-20-3 | 128 | 1.83 | 6.13 | U | | 1 | WG2177938 |
| 2-Propanol | 67-63-0 | 60.10 | 0.649 | 2.16 | 2.17 | | 1 | WG2177938 |
| Propene | 115-07-1 | 42.10 | 0.160 | 0.536 | U | | 1 | WG2177938 |
| Styrene | 100-42-5 | 104 | 0.335 | 1.12 | U | | 1 | WG2177938 |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 168 | 0.511 | 1.70 | U | | 1 | WG2177938 |
| Tetrachloroethylene | 127-18-4 | 166 | 0.553 | 1.84 | 27.1 | | 1 | WG2177938 |
| Tetrahydrofuran | 109-99-9 | 72.10 | 0.216 | 0.722 | U | | 1 | WG2177938 |
| Toluene | 108-88-3 | 92.10 | 0.328 | 1.09 | 0.719 | J | 1 | WG2177938 |
| 1,2,4-Trichlorobenzene | 120-82-1 | 181 | 1.10 | 3.65 | U | | 1 | WG2177938 |

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 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 |
|---|---|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 71-55-6 | 133 | 0.400 | 1.33 | U | | 1 | WG2177938 |
| 1,1,2-Trichloroethane | 79-00-5 | 133 | 0.422 | 1.40 | U | | 1 | WG2177938 |
| Trichloroethylene | 79-01-6 | 131 | 0.364 | 1.22 | U | | 1 | WG2177938 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 120 | 0.375 | 1.25 | 0.482 | J | 1 | WG2177938 |
| 1,3,5-Trimethylbenzene | 108-67-8 | 120 | 0.382 | 1.28 | U | | 1 | WG2177938 |
| 2,2,4-Trimethylpentane | 540-84-1 | 114.22 | 0.621 | 2.07 | U | | 1 | WG2177938 |
| Vinyl chloride | 75-01-4 | 62.50 | 0.243 | 0.808 | U | | 1 | WG2177938 |
| Vinyl Bromide | 593-60-2 | 106.95 | 0.373 | 1.24 | U | | 1 | WG2177938 |
| Vinyl acetate | 108-05-4 | 86.10 | 0.408 | 1.36 | U | | 1 | WG2177938 |
| Xylenes, Total | 1330-20-7 | 106.16 | 0.586 | 1.95 | U | | 1 | WG2177938 |
| m&p-Xylene | 1330-20-7 | 106 | 0.585 | 1.95 | U | | 1 | WG2177938 |
| o-Xylene | 95-47-6 | 106 | 0.359 | 1.20 | U | | 1 | WG2177938 |
| *(S) 1,4-Bromofluorobenzene* | *460-00-4* | *175* | | | *95.7* | | *60.0-140* | WG2177938 |

## Method Blank (MB)

(MB) R4006439-3 11/27/23 10:50

| Analyte | MB Result ug/m3 | MB Qualifier | MB MDL ug/m3 | MB RDL ug/m3 |
|---|---|---|---|---|
| Acetone | U | | 1.39 | 2.97 |
| Allyl chloride | U | | 0.357 | 0.626 |
| Benzene | U | | 0.228 | 0.639 |
| Benzyl Chloride | U | | 0.311 | 1.04 |
| Bromodichloromethane | U | | 0.471 | 1.34 |
| Bromoform | U | | 0.757 | 6.21 |
| Bromomethane | U | | 0.381 | 0.776 |
| 1,3-Butadiene | U | | 0.230 | 4.43 |
| Carbon disulfide | U | | 0.317 | 0.622 |
| Carbon tetrachloride | U | | 0.461 | 1.26 |
| Chlorobenzene | U | | 0.385 | 0.924 |
| Chloroethane | U | | 0.263 | 0.528 |
| Chloroform | U | | 0.349 | 0.973 |
| Chloromethane | U | | 0.213 | 0.413 |
| 2-Chlorotoluene | U | | 0.427 | 1.03 |
| Cyclohexane | U | | 0.259 | 0.689 |
| Dibromochloromethane | U | | 0.618 | 1.70 |
| 1,2-Dibromoethane | U | | 0.554 | 1.54 |
| 1,2-Dichlorobenzene | U | | 0.770 | 1.20 |
| 1,3-Dichlorobenzene | U | | 1.09 | 1.20 |
| 1,4-Dichlorobenzene | U | | 0.335 | 1.20 |
| 1,2-Dichloroethane | U | | 0.283 | 0.810 |
| 1,1-Dichloroethane | U | | 0.290 | 0.802 |
| 1,1-Dichloroethene | U | | 0.302 | 0.793 |
| cis-1,2-Dichloroethene | U | | 0.311 | 0.793 |
| trans-1,2-Dichloroethene | U | | 0.267 | 0.793 |
| 1,2-Dichloropropane | U | | 0.351 | 0.924 |
| cis-1,3-Dichloropropene | U | | 0.313 | 0.908 |
| trans-1,3-Dichloropropene | U | | 0.331 | 0.908 |
| 1,4-Dioxane | U | | 0.300 | 2.27 |
| Ethanol | 1.62 | J | 0.500 | 4.71 |
| Ethylbenzene | U | | 0.362 | 0.867 |
| 4-Ethyltoluene | U | | 0.384 | 0.982 |
| Trichlorofluoromethane | U | | 0.460 | 1.12 |
| Dichlorodifluoromethane | U | | 0.678 | 0.989 |
| 1,1,2-Trichlorotrifluoroethane | U | | 0.608 | 1.53 |
| 1,2-Dichlorotetrafluoroethane | U | | 0.622 | 1.40 |
| Heptane | U | | 0.425 | 0.818 |
| Hexachloro-1,3-butadiene | U | | 1.12 | 6.73 |
| n-Hexane | U | | 0.726 | 2.22 |

## Method Blank (MB)

(MB) R4006439-3 11/27/23 10:50

| Analyte | MB Result ug/m3 | MB Qualifier | MB MDL ug/m3 | MB RDL ug/m3 |
|---|---|---|---|---|
| Isopropylbenzene | U | | 0.382 | 0.983 |
| Methylene Chloride | U | | 0.340 | 0.694 |
| Methyl Butyl Ketone | U | | 0.544 | 5.11 |
| 2-Butanone (MEK) | U | | 0.240 | 3.69 |
| 4-Methyl-2-pentanone (MIBK) | U | | 0.313 | 5.12 |
| Methyl methacrylate | U | | 0.359 | 0.819 |
| MTBE | U | | 0.233 | 0.721 |
| Naphthalene | U | | 1.83 | 3.30 |
| 2-Propanol | U | | 0.649 | 3.07 |
| Propene | U | | 0.160 | 2.15 |
| Styrene | U | | 0.335 | 0.851 |
| 1,1,2,2-Tetrachloroethane | U | | 0.511 | 1.37 |
| Tetrachloroethylene | U | | 0.553 | 1.36 |
| Tetrahydrofuran | U | | 0.216 | 0.590 |
| Toluene | U | | 0.328 | 1.88 |
| 1,2,4-Trichlorobenzene | U | | 1.10 | 4.66 |
| 1,1,1-Trichloroethane | U | | 0.400 | 1.09 |
| 1,1,2-Trichloroethane | U | | 0.422 | 1.09 |
| Trichloroethylene | U | | 0.364 | 1.07 |
| 1,2,4-Trimethylbenzene | U | | 0.375 | 0.982 |
| 1,3,5-Trimethylbenzene | U | | 0.382 | 0.982 |
| 2,2,4-Trimethylpentane | U | | 0.621 | 0.934 |
| Vinyl chloride | U | | 0.243 | 0.511 |
| Vinyl Bromide | U | | 0.373 | 0.875 |
| Vinyl acetate | U | | 0.408 | 2.22 |
| Xylenes, Total | U | | 0.586 | 2.61 |
| m&p-Xylene | U | | 0.585 | 1.73 |
| o-Xylene | U | | 0.359 | 0.867 |
| *(S) 1,4-Bromofluorobenzene* | *95.5* | | | *60.0-140* |

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

(LCS) R4006439-1 11/27/23 09:23 • (LCSD) R4006439-2 11/27/23 10:08

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Acetone | 8.91 | 9.29 | 9.15 | 104 | 103 | 70.0-130 | | | 1.55 | 25 |
| Allyl chloride | 11.7 | 10.9 | 10.3 | 92.5 | 87.5 | 70.0-130 | | | 5.63 | 25 |
| Benzene | 12.0 | 11.3 | 11.7 | 94.7 | 97.3 | 70.0-130 | | | 2.78 | 25 |
| Benzyl Chloride | 19.5 | 19.3 | 19.0 | 98.9 | 97.3 | 70.0-152 | | | 1.63 | 25 |

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

(LCS) R4006439-1 11/27/23 09:23 • (LCSD) R4006439-2 11/27/23 10:08

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Bromodichloromethane | 25.2 | 24.7 | 26.0 | 98.1 | 103 | 70.0-130 | | | 5.03 | 25 |
| Bromoform | 38.8 | 40.1 | 40.3 | 103 | 104 | 70.0-130 | | | 0.257 | 25 |
| Bromomethane | 14.6 | 15.6 | 13.8 | 107 | 94.7 | 70.0-130 | | | 12.4 | 25 |
| 1,3-Butadiene | 8.30 | 9.29 | 8.36 | 112 | 101 | 70.0-130 | | | 10.5 | 25 |
| Carbon disulfide | 11.7 | 9.87 | 9.90 | 84.5 | 84.8 | 70.0-130 | | | 0.315 | 25 |
| Carbon tetrachloride | 23.6 | 24.8 | 23.9 | 105 | 101 | 70.0-130 | | | 3.88 | 25 |
| Chlorobenzene | 17.3 | 17.3 | 18.0 | 100 | 104 | 70.0-130 | | | 3.92 | 25 |
| Chloroethane | 9.89 | 11.2 | 9.87 | 113 | 99.7 | 70.0-130 | | | 12.5 | 25 |
| Chloroform | 18.3 | 17.4 | 17.1 | 95.5 | 93.9 | 70.0-130 | | | 1.69 | 25 |
| Chloromethane | 7.75 | 8.12 | 7.50 | 105 | 96.8 | 70.0-130 | | | 7.94 | 25 |
| 2-Chlorotoluene | 19.3 | 18.6 | 19.3 | 96.3 | 100 | 70.0-130 | | | 3.80 | 25 |
| Cyclohexane | 12.9 | 12.7 | 11.6 | 98.1 | 89.6 | 70.0-130 | | | 9.09 | 25 |
| Dibromochloromethane | 31.9 | 34.1 | 33.2 | 107 | 104 | 70.0-130 | | | 2.78 | 25 |
| 1,2-Dibromoethane | 28.8 | 29.1 | 28.3 | 101 | 98.1 | 70.0-130 | | | 2.68 | 25 |
| 1,2-Dichlorobenzene | 22.5 | 23.6 | 23.8 | 105 | 106 | 70.0-130 | | | 1.02 | 25 |
| 1,3-Dichlorobenzene | 22.5 | 23.8 | 23.3 | 106 | 103 | 70.0-130 | | | 2.04 | 25 |
| 1,4-Dichlorobenzene | 22.5 | 22.1 | 23.7 | 98.1 | 105 | 70.0-130 | | | 6.82 | 25 |
| 1,2-Dichloroethane | 15.2 | 16.8 | 16.6 | 110 | 109 | 70.0-130 | | | 1.22 | 25 |
| 1,1-Dichloroethane | 15.0 | 14.0 | 13.9 | 93.1 | 92.3 | 70.0-130 | | | 0.863 | 25 |
| 1,1-Dichloroethene | 14.9 | 13.3 | 16.2 | 89.3 | 109 | 70.0-130 | | | 20.1 | 25 |
| cis-1,2-Dichloroethene | 14.9 | 14.7 | 14.3 | 98.9 | 96.3 | 70.0-130 | | | 2.73 | 25 |
| trans-1,2-Dichloroethene | 14.9 | 14.5 | 14.8 | 97.3 | 99.5 | 70.0-130 | | | 2.17 | 25 |
| 1,2-Dichloropropane | 17.3 | 16.5 | 15.8 | 94.9 | 90.9 | 70.0-130 | | | 4.30 | 25 |
| cis-1,3-Dichloropropene | 17.0 | 16.5 | 16.5 | 97.1 | 96.8 | 70.0-130 | | | 0.275 | 25 |
| trans-1,3-Dichloropropene | 17.0 | 17.1 | 16.7 | 100 | 97.9 | 70.0-130 | | | 2.42 | 25 |
| 1,4-Dioxane | 13.5 | 13.2 | 13.6 | 97.3 | 101 | 70.0-140 | | | 3.50 | 25 |
| Ethanol | 7.07 | 8.35 | 7.73 | 118 | 109 | 55.0-148 | | | 7.74 | 25 |
| Ethylbenzene | 16.3 | 16.3 | 16.4 | 101 | 101 | 70.0-130 | | | 0.265 | 25 |
| 4-Ethyltoluene | 18.4 | 19.0 | 19.0 | 103 | 103 | 70.0-130 | | | 0.258 | 25 |
| Trichlorofluoromethane | 21.1 | 24.9 | 23.2 | 118 | 110 | 70.0-130 | | | 7.01 | 25 |
| Dichlorodifluoromethane | 18.5 | 19.5 | 18.2 | 105 | 98.4 | 64.0-139 | | | 6.55 | 25 |
| 1,1,2-Trichlorotrifluoroethane | 28.7 | 29.3 | 31.9 | 102 | 111 | 70.0-130 | | | 8.52 | 25 |
| 1,2-Dichlorotetrafluoroethane | 26.2 | 28.7 | 26.2 | 110 | 100 | 70.0-130 | | | 9.16 | 25 |
| Heptane | 15.3 | 14.6 | 14.5 | 94.9 | 94.4 | 70.0-130 | | | 0.563 | 25 |
| Hexachloro-1,3-butadiene | 40.0 | 39.6 | 40.4 | 98.9 | 101 | 70.0-151 | | | 1.87 | 25 |
| n-Hexane | 13.2 | 13.1 | 13.3 | 98.9 | 100 | 70.0-130 | | | 1.34 | 25 |
| Isopropylbenzene | 18.4 | 19.0 | 19.5 | 103 | 106 | 70.0-130 | | | 2.81 | 25 |
| Methylene Chloride | 13.0 | 12.3 | 12.4 | 94.1 | 95.2 | 70.0-130 | | | 1.13 | 25 |
| Methyl Butyl Ketone | 15.3 | 16.7 | 17.1 | 109 | 111 | 70.0-149 | | | 2.18 | 25 |
| 2-Butanone (MEK) | 11.1 | 10.8 | 9.88 | 97.9 | 89.3 | 70.0-130 | | | 9.12 | 25 |

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

(LCS) R4006439-1 11/27/23 09:23 • (LCSD) R4006439-2 11/27/23 10:08

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | 15.4 | 16.2 | 16.3 | 105 | 106 | 70.0-139 | | | 0.757 | 25 |
| Methyl methacrylate | 15.4 | 14.7 | 14.3 | 95.7 | 93.1 | 70.0-130 | | | 2.82 | 25 |
| MTBE | 13.5 | 13.3 | 13.4 | 98.7 | 99.2 | 70.0-130 | | | 0.539 | 25 |
| Naphthalene | 19.6 | 20.6 | 20.6 | 105 | 105 | 70.0-159 | | | 0.000 | 25 |
| 2-Propanol | 9.22 | 8.97 | 8.80 | 97.3 | 95.5 | 70.0-139 | | | 1.94 | 25 |
| Propene | 6.46 | 6.77 | 6.47 | 105 | 100 | 64.0-144 | | | 4.42 | 25 |
| Styrene | 16.0 | 17.0 | 16.8 | 106 | 106 | 70.0-130 | | | 0.755 | 25 |
| 1,1,2,2-Tetrachloroethane | 25.8 | 24.0 | 24.6 | 93.3 | 95.5 | 70.0-130 | | | 2.26 | 25 |
| Tetrachloroethylene | 25.5 | 26.3 | 26.3 | 103 | 103 | 70.0-130 | | | 0.000 | 25 |
| Tetrahydrofuran | 11.1 | 10.9 | 10.6 | 98.9 | 95.5 | 70.0-137 | | | 3.57 | 25 |
| Toluene | 14.1 | 14.0 | 13.9 | 98.9 | 98.1 | 70.0-130 | | | 0.812 | 25 |
| 1,2,4-Trichlorobenzene | 27.8 | 28.7 | 28.6 | 103 | 103 | 70.0-160 | | | 0.258 | 25 |
| 1,1,1-Trichloroethane | 20.4 | 20.9 | 19.5 | 103 | 95.5 | 70.0-130 | | | 7.27 | 25 |
| 1,1,2-Trichloroethane | 20.4 | 19.3 | 19.7 | 94.7 | 96.8 | 70.0-130 | | | 2.23 | 25 |
| Trichloroethylene | 20.1 | 20.7 | 20.1 | 103 | 100 | 70.0-130 | | | 2.62 | 25 |
| 1,2,4-Trimethylbenzene | 18.4 | 19.3 | 19.4 | 105 | 106 | 70.0-130 | | | 0.506 | 25 |
| 1,3,5-Trimethylbenzene | 18.4 | 18.9 | 19.5 | 103 | 106 | 70.0-130 | | | 3.07 | 25 |
| 2,2,4-Trimethylpentane | 17.5 | 17.2 | 15.4 | 98.4 | 88.0 | 70.0-130 | | | 11.2 | 25 |
| Vinyl chloride | 9.59 | 10.8 | 9.69 | 113 | 101 | 70.0-130 | | | 11.2 | 25 |
| Vinyl Bromide | 16.4 | 18.6 | 17.2 | 114 | 105 | 70.0-130 | | | 8.06 | 25 |
| Vinyl acetate | 13.2 | 13.6 | 13.3 | 103 | 101 | 70.0-130 | | | 2.10 | 25 |
| Xylenes, Total | 49.1 | 49.5 | 49.9 | 101 | 102 | 70.0-130 | | | 0.873 | 25 |
| m&p-Xylene | 32.5 | 32.6 | 33.1 | 100 | 102 | 70.0-130 | | | 1.32 | 25 |
| o-Xylene | 16.3 | 16.8 | 16.8 | 103 | 103 | 70.0-130 | | | 0.258 | 25 |
| *(S) 1,4-Bromofluorobenzene* | | | | *99.6* | *98.5* | *60.0-140* | | | | |

# 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 |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |

# 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 [1] | TN00003 |
| Colorado | TN00003 | New York | 11742 |
| Connecticut | PH-0197 | North Carolina | Env375 |
| Florida | E87487 | North Carolina [1] | DW21704 |
| Georgia | NELAP | North Carolina [3] | 41 |
| Georgia [1] | 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 | LAO000356 |
| Kentucky [1 6] | KY90010 | South Carolina | 84004002 |
| Kentucky [2] | 16 | South Dakota | n/a |
| Louisiana | AI30792 | Tennessee [1 4] | 2006 |
| Louisiana | LA018 | Texas | T104704245-20-18 |
| Maine | TN00003 | Texas [5] | 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 [5] | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA–Crypto | TN00003 | | |

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] 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.

Pace Analytical®
www.pacelabs.com

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

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

J122

Page: 1 of 1

**Section A** Required Client Information:

Company: GZA GEOENVIRONMENTAL INC

Address: 17975 W. SARAH LN STE 100 BROOKFIELD, WI 53045

Email To: BERNARD.FENELON@GZA.COM

Phone: Fax:

Requested Due Date/TAT: NORMAL

**Section B** Required Project Information:

Report To: GZA

Copy To:

Purchase Order No.:

Project Name: CONTINENTAL WEST BEND

Project Number: 20.0156364.01

**Section C** Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager/Sales Rep.

Pace Profile #:

Program: ☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units: ug/m³ mg/m³ PPBV PPMV Other

Report Level: II. III. IV. Other

'Section D Required Client Information

**AIR SAMPLE ID**

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 |

| ITEM # | 'Section D Required Client Information / AIR SAMPLE ID | MEDIA CODE | PID Reading (Client only) | COLLECTED COMPOSITE START END/GRAB DATE | COLLECTED COMPOSITE START END/GRAB TIME | COLLECTED COMPOSITE - DATE | COLLECTED COMPOSITE - TIME | 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 | TO15 Short List* | Pace Lab ID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 981 LINCOLN DR. WEST - NORTH SS | | | 1/22/23 | 1119 | 1/22/23 | 1149 | -29 | -25 | 13660 | 22632 | | | | | | | X | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |

Sample Receipt Checklist

COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Size: 1L 6L 1.4L
Tage Color: G W P B
Tubing Shunt
T/P#:

Comments:

PLEASE ANALYZE:
PCE; TCE; VC
CIS AND TRANS 1,2 DCE

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME |
|---|---|---|---|---|---|
| GZA | 1/22/23 | 1330 | PER FED EX | | |
| | | | Edward Wilson | 1/23/23 | 0930 |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: CHRIS HINGSBERGER

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY)

SAMPLE CONDITIONS

| Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact |
|---|---|---|---|
| | Y/N | Y/N | Y/N |
| | Y/N | Y/N | Y/N |
| | Y/N | Y/N | Y/N |
| | Y/N | Y/N | Y/N |