

## Borski, Jennifer - DNR

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**From:** Borski, Jennifer - DNR  
**Sent:** Wednesday, November 8, 2023 8:18 AM  
**To:** Schultz, Josie M - DNR; Kondreck, Robert; ribordy.mike@epa.gov; Reif, Maizie L - DNR  
**Subject:** FW: Laboratory Results for 505 Grand Ave (Bakery Outlet) adj. to Sandies Dry Cleaners & Laundry (Former), BRRTS #02-45-552222  
**Attachments:** 708066.pdf

Rob, Mike, Josie & Maizie,

I received the results from the indoor air basement at the Bakery Outlet adjacent to Sandies Dry Cleaners in Little Chute. Samples were collected over 5 days using Assay Tech 525 badges and analyzed at our state occupational health lab. Results show detects of PCE & TCE in indoor air in the basement but below our Vapor Action Levels. Outdoor air is also impacted with PCE below the VAL but my assumption is that it is due to the vapor abatement system exhaust pipes at Sandies pointing downward into the alley. Unless I hear otherwise from EPA, my plan is to resample in December and select an outdoor air sample location further from the buildings.

I will let the owner and Health Depts know the results today. I will also send a letter to the property owner & RP when I get back from a conference and will copy you on that letter.

All units in  $\mu\text{g}/\text{m}^3$

Basement indoor air 01 (by vapor abatement system in north basement):

PCE = 1.4 (residential VAL = 42)

Basement indoor air 02 (center of north basement):

PCE = 0.77

TCE = 0.52 (residential VAL = 2.1)

Outdoor air 01 (back alley adjacent to Sandies Dry Cleaners)

PCE = 0.77

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jennifer Borski

Cell Phone: (920) 360-0853

[jennifer.borski@wisconsin.gov](mailto:jennifer.borski@wisconsin.gov)

-----Original Message-----

From: WILabReport@slh.wisc.edu <WILabReport@slh.wisc.edu>

Sent: Monday, November 6, 2023 5:10 PM

To: Borski, Jennifer - DNR <Jennifer.Borski@wisconsin.gov>

Subject: Laboratory Results

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| Workorder ID | WO | Description |
|--------------|----|-------------|
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|                 |        |  |
|-----------------|--------|--|
| BORSKI SOLVENTS | 708066 |  |
|-----------------|--------|--|

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**Wisconsin Occupational  
Health Laboratory**

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JENNY BORSKI  
VAPOR INTRUSION INVESTIGATION  
625 E. CTY RD Y  
STE 700  
OSHKOSH, WI 54901-9731

**Lab Workorder ID** 708066  
**Visit/Project ID** BORSKI SOLVENTS  
**PO**  
**Received** October 26, 2023  
**Reported** November 6, 2023  
**Report ID** 11360400

**Previous Report IDs**

Dear JENNY BORSKI:

Enclosed are the analytical results for sample(s) received by the laboratory on October 26, 2023. All samples/specimens received by the laboratory were acceptable for testing. Sample results were not blank corrected, and all quality control met laboratory standards unless otherwise noted in the report narrative. All results apply to the samples as received and reported concentrations were calculated with information supplied by the sample submitter.

Please contact the lab if you have any questions concerning this report.

Sincerely,

Steve Strebel, Laboratory Director

Analyst - SARAH OEMIG



## Final Report

|                                  |                                      |   |
|----------------------------------|--------------------------------------|---|
| Lab ID: <b>708066001</b>         | Sample ID: <b>01A_1AB01.20231024</b> | Media: <b>3M 3501+ or Assay 525 OVM</b> |
| Sampling Date: <b>10/24/2023</b> | Matrix: <b>Air</b>                   | Sampled Time: <b>8465 M</b>             |

The sample results for low level Tetrachloroethene and Trichloroethene were not confirmed with a second column. Assay recommends collecting for Vinyl Chloride on the Assay 566 badge. The 1,2-Dichloroethene reported is the cis isomer.

### RESULTS

| Analyte                   | Method                      | Analysis Date | Air Volume | Reporting Limit | Front | Rear | Total    | Air Concentration | TWA           |
|---------------------------|-----------------------------|---------------|------------|-----------------|-------|------|----------|-------------------|---------------|
| 1,2-Dichloroethene(Total) | OSHA 1001, 1002, 1004, 1005 | 11/3/2023     | 515 L      | 4.6 ug          |       |      | <4.6 ug  | <0.0089 mg/m3     | <0.0023 ppm   |
| Tetrachloroethene         |                             | 11/3/2023     | 562 L      | 0.32 ug         |       |      | 0.78 ug  | 0.0014 mg/m3      | 0.00020 ppm   |
| Trichloroethene           |                             | 11/3/2023     | 617 L      | 0.29 ug         |       |      | <0.29 ug | <0.00047 mg/m3    | <0.000087 ppm |
| Vinyl chloride            |                             | 11/3/2023     | 630 L      | 3.8 ug          |       |      | <3.8 ug  | <0.0060 mg/m3     | <0.0024 ppm   |

|                                  |                                      |   |
|----------------------------------|--------------------------------------|---|
| Lab ID: <b>708066002</b>         | Sample ID: <b>01A_1AB02.20231024</b> | Media: <b>3M 3501+ or Assay 525 OVM</b> |
| Sampling Date: <b>10/24/2023</b> | Matrix: <b>Air</b>                   | Sampled Time: <b>8462 M</b>             |

### RESULTS

| Analyte                   | Method                      | Analysis Date | Air Volume | Reporting Limit | Front | Rear | Total   | Air Concentration | TWA          |
|---------------------------|-----------------------------|---------------|------------|-----------------|-------|------|---------|-------------------|--------------|
| 1,2-Dichloroethene(Total) | OSHA 1001, 1002, 1004, 1005 | 11/3/2023     | 514 L      | 4.6 ug          |       |      | <4.6 ug | <0.0089 mg/m3     | <0.0023 ppm  |
| Tetrachloroethene         |                             | 11/3/2023     | 562 L      | 0.32 ug         |       |      | 0.43 ug | 0.00077 mg/m3     | 0.00011 ppm  |
| Trichloroethene           |                             | 11/3/2023     | 617 L      | 0.29 ug         |       |      | 0.32 ug | 0.00052 mg/m3     | 0.000097 ppm |
| Vinyl chloride            |                             | 11/3/2023     | 630 L      | 3.8 ug          |       |      | <3.8 ug | <0.0060 mg/m3     | <0.0024 ppm  |



**Final Report**

|                                  |                                     |   |
|----------------------------------|-------------------------------------|---|
| Lab ID: <b>708066003</b>         | Sample ID: <b>01A_0A01.20231024</b> | Media: <b>3M 3501+ or Assay 525 OVM</b> |
| Sampling Date: <b>10/24/2023</b> | Matrix: <b>Air</b>                  | Sampled Time: <b>7254 M</b>             |

| Analyte                   | Method                      | Analysis Date | Air Volume | Reporting Limit | RESULTS |      |          | TWA            |              |
|---------------------------|-----------------------------|---------------|------------|-----------------|---------|------|----------|----------------|--------------|
|                           |                             |               |            |                 | Front   | Rear | Total    |                |              |
| 1,2-Dichloroethene(Total) | OSHA 1001, 1002, 1004, 1005 | 11/3/2023     | 441 L      | 4.6 ug          |         |      | <4.6 ug  | <0.010 mg/m3   | <0.0026 ppm  |
| Tetrachloroethene         |                             | 11/3/2023     | 482 L      | 0.32 ug         |         |      | 0.37 ug  | 0.00077 mg/m3  | 0.00011 ppm  |
| Trichloroethene           |                             | 11/3/2023     | 529 L      | 0.29 ug         |         |      | <0.29 ug | <0.00055 mg/m3 | <0.00010 ppm |
| Vinyl chloride            |                             | 11/3/2023     | 540 L      | 3.8 ug          |         |      | <3.8 ug  | <0.0070 mg/m3  | <0.0028 ppm  |

Abbreviations:  
 mg = milligrams                      ppm or ppmv = parts per million                      /m3 = per cubic meter  
 ug = micrograms                      ppb or ppbv = parts per billion                      ng = nanograms  
 < Less Than. The analyte, if present, is at a level too low to be accurately quantitated by the method used

Displayed values on report have been rounded to 2 significant figures. Please contact the laboratory if you have any questions regarding our result calculation or rounding. All samples were received by the laboratory in acceptable condition unless otherwise noted.

The results in this report apply only to the samples, specifically listed above, and tested at the Wisconsin Occupational Health Laboratory

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**End of Analytical Report**