



March 17, 2021

Timothy Haddix  
115 Mullet Street  
Portage, WI 53901

**Subject: Vapor Intrusion Sampling Results – 115 Mullet Street, Portage, Wisconsin  
BRRTS: 02-11-512824**

Dear Mr. Haddix:

In accordance with the executed Agreement to Provide Access for Sampling Activities, and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, EnviroForensics, LLC. (EnviroForensics) is providing the results of environmental samples collected from your property located at 115 Mullet Street in Portage, Wisconsin. The samples were collected on March 2-3, 2021. The sampling activities are part of an environmental investigation being performed for the Portage Cleaners facility located at 104 West Wisconsin Street in Portage at the direction of the WDNR pursuant to the authority granted to it under State and Federal law. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

The Responsible Party is:

Portage Cleaners  
104 West Wisconsin Street  
Portage, WI

### **Sampling Results**

Two (2) indoor sub-slab vapor samples designated 6493-115 Mullet-SSV-1 and 6493-115 Mullet-SSV-1 were collected from within the building. The sampling locations are depicted on the attached **Figure 1**. The results of the vapor samples are summarized and compared to WDNR standards on the attached **Table 1** with the previous results. A copy of the laboratory report that relates to the vapor samples is also attached.

PCE was detected both sub-slab vapor samples, but at a concentration below the Vapor Risk Screening Level (VRSL). No other compounds were detected in the sub-slab sample. The vapor results did not indicate a potential vapor intrusion concern.

Mitigation of potential vapors at your property is *not* necessary and we do *not* recommend any further testing. If you have any questions or concerns, please contact us at 262-510-0612 or by email at [rhoverman@enviroforensics.com](mailto:rhoverman@enviroforensics.com). The WDNR project manager, Larry Lester, can be reached at 608-275-3465. We greatly appreciate your help and patience with this matter.

Sincerely,  
**EnviroForensics, LLC**

A handwritten signature in blue ink, appearing to read "Rob Hoverman".

Rob Hoverman, LPG  
*Senior Project Manager*

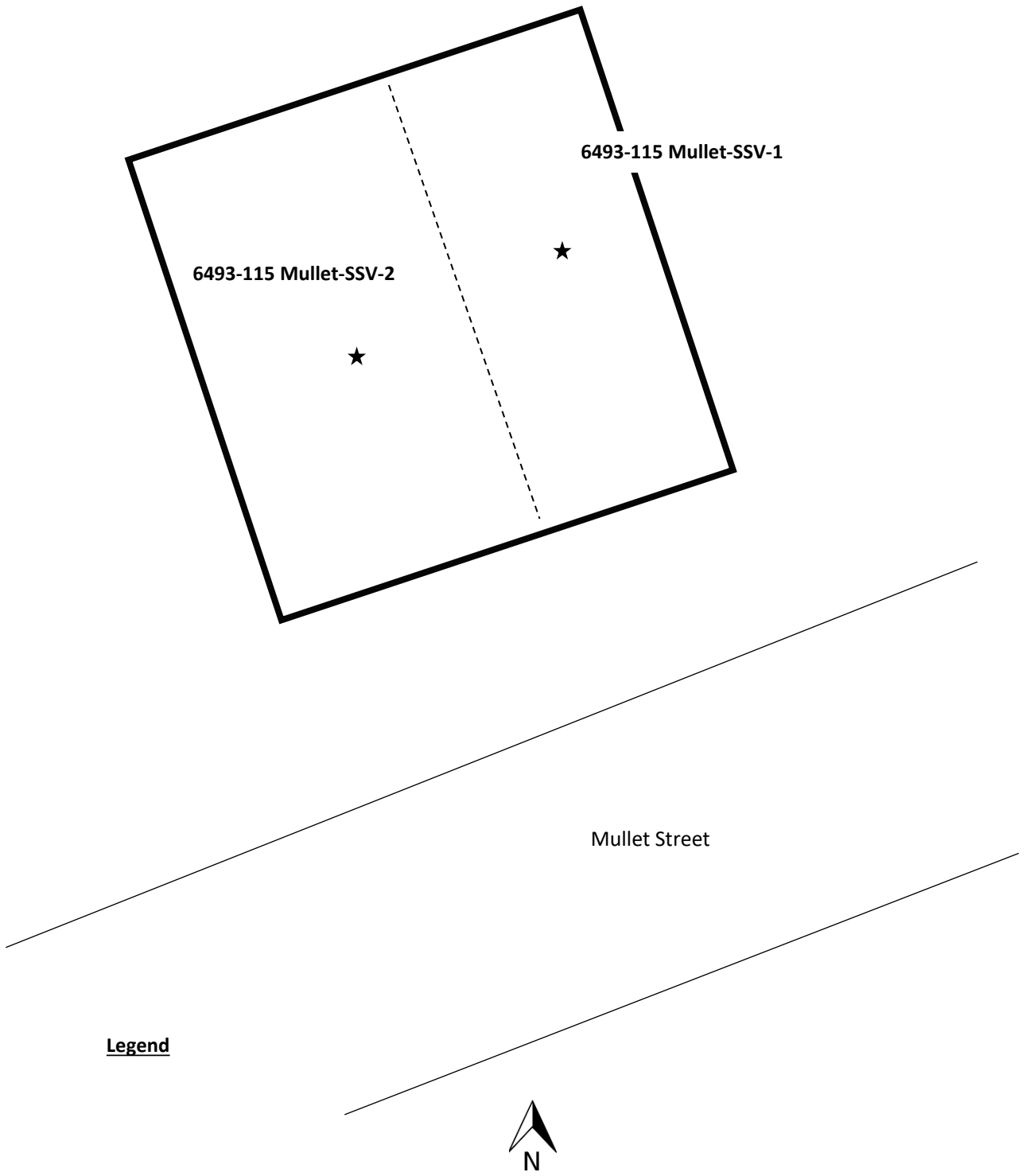
A handwritten signature in blue ink, appearing to read "Rebecca Brown".

Rebecca Brown  
*Field Professional*

Attachments: Figure 1 – Vapor Intrusion Sampling Locations  
Table 1 – Vapor Intrusion Assessment Results Summary  
Laboratory Analytical Report

Copy: Larry Lester, Wisconsin Department of Natural Resources

**FIGURE 1**  
**VAPOR INTRUSION SAMPLE LOCATIONS**  
**115 Mullet Street, Portage Wisconsin**



★ = Sub-Slab Vapor Sampling Port Location

**TABLE 1**  
**VAPOR INTRUSION ASSESSMENT ANALYTICAL RESULTS**

Portage Cleaners  
104 E. Wisconsin St  
Portage, WI 53901

Sample Address	Sample Identification	Sample Date	Applicable Criteria	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl chloride
<b>SUB-SLAB VAPOR</b>									
<b>Residential Vapor Risk Screening Level<sup>2</sup></b>					<b>1,400</b>	<b>70</b>	<b>NE</b>	<b>NE</b>	<b>57</b>
<b>Small Commercial Vapor Risk Screening Level<sup>1</sup></b>					<b>6,000</b>	<b>290</b>	<b>NE</b>	<b>NE</b>	<b>930</b>
115 W. Mullet St	6493-115-SSV-1	9/29/2020	Small Commercial	No	36.2	<1.07	<19.8	<39.6	<1.28
		1/25/2021			33.7	<1.07	<19.8	<39.6	<1.28
		3/3/2021			15.9	<1.07	<19.8	<39.6	<1.28
	6493-115-SSV-2	9/29/2020	Small Commercial	No	28	2.26	<19.8	<39.6	<1.28
		1/25/2021			14.7	<1.07	<19.8	<39.6	<1.28
		3/3/2021			9.29	<1.07	<19.8	<39.6	<1.28

**Notes:**

<sup>1</sup> The vapor risk screening levels for small commercial structures are calculated in accordance with the procedures described in WDNR Publication RR-800 and subsequent guidance

<sup>2</sup> The vapor risk screening levels for residential structures are calculated in accordance with the procedures described in WDNR Publication RR-800 and subsequent guidance

Samples analyzed according to EPA Method TO-15

All concentrations reported in units in micrograms per cubic meter = µg/m<sup>3</sup>

Only detected compounds are listed

**Bolded** values are above method detection limits

**Bolded and blue shaded** values exceed the residential Vapor Risk Screening Level

**Bolded and orange shaded** values exceed the small commercial Vapor Risk Screening Level

NE = Not Established

IA = Indoor Air

OA = Outdoor Air





**EnvisionAir**  
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www.envision-air.com

Mr. Rob Hoverman  
Enviroforensics  
N16 W. 23390 Stone Ridge Dr  
Suite G  
Waukesha, WI 53188

March 9, 2021

EnvisionAir Project Number: 2021-122  
Client Project Name: 6493 – Portage Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received March 4, 2021. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

A handwritten signature in black ink that reads "Stanley A. Hunnicutt".

Stanley A Hunnicutt

Project Manager  
EnvisionAir, LLC



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**Client Name:** ENVIROFORENSICS  
**Project ID:** 6493 PORTAGE CLEANERS  
**Client Project Manager:** ROB HOVERMAN  
**EnvisionAir Project Number:** 2021-122

**Sample Summary**

*Canister Pressure / Vacuum*

<u>Laboratory Sample Number:</u>	<u>Sample Description:</u>	<u>Matrix:</u>	<u>START</u>	<u>START</u>	<u>End Date</u>	<u>End Time</u>	<u>Date</u>	<u>Time</u>	<u>Initial Field</u>	<u>Final Field</u>	<u>Lab</u>
			<u>Date</u>	<u>Time</u>							
21-642	6493-115-SSV-1	A	3/3/21	12:37	3/3/21	12:42	3/4/21	15:30	(in. Hg)	(in. Hg)	(in. Hg)
21-643	6493-115-SSV-2	A	3/3/21	12:26	3/3/21	12:36	3/4/21	15:30	-30	-5	-5
									-27	-5	-5



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**Client Name:** ENVIROFORENSICS  
**Project ID:** 6493 PORTAGE CLEANERS  
**Client Project Manager:** ROB HOVERMAN  
**EnvisionAir Project Number:** 2021-122

**Analytical Method:** TO-15  
**Analytical Batch:** 030721AIR

**Client Sample ID:** 6493-115-SSV-1  
**EnvisionAir Sample Number:** 21-642  
**Sample Matrix:** AIR

**Sample Collection START Date/Time:** 3/3/21 12:37  
**Sample Collection END Date/Time:** 3/3/21 12:42  
**Sample Received Date/Time:** 3/4/21 15:30

<u>Compounds</u>	<u>Sample Results ug/m<sup>3</sup></u>	<u>Reporting Limit ug/m<sup>3</sup></u>	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	<b>15.9</b>	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	105%		
Analysis Date/Time:	3-7-21/23:48		
Analyst Initials	tjg		



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**Client Name:** ENVIROFORENSICS  
**Project ID:** 6493 PORTAGE CLEANERS  
**Client Project Manager:** ROB HOVERMAN  
**EnvisionAir Project Number:** 2021-122

**Analytical Method:** TO-15  
**Analytical Batch:** 030721AIR

**Client Sample ID:** 6493-115-SSV-2  
**EnvisionAir Sample Number:** 21-643  
**Sample Matrix:** AIR

**Sample Collection START Date/Time:** 3/3/21 12:26  
**Sample Collection END Date/Time:** 3/3/21 12:36  
**Sample Received Date/Time:** 3/4/21 15:30

<u>Compounds</u>	<u>Sample Results ug/m<sup>3</sup></u>	<u>Reporting Limit ug/m<sup>3</sup></u>	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	<b>9.29</b>	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	92%		
Analysis Date/Time:	3-8-21/00:29		
Analyst Initials	tjg		



### TO-15 Quality Control Data

EnvisionAir Batch Number: 030721AIR

<u>Method Blank (MB):</u>	<u>MB Results (ppbv)</u>	<u>Reporting Limit (ppbv)</u>	<u>Flags</u>
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichloroethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	107%		
Analysis Date/Time:	3-7-21/11:09		
Analyst Initials	tjg		

<u>LCS/LCSD</u>	<u>LCS Results (ppbv)</u>	<u>LCSD Results (ppbv)</u>	<u>LCS/D Conc(ppbv)</u>	<u>LCS Rec.</u>	<u>LCSD Rec.</u>	<u>RPD</u>	<u>Flag</u>
Vinyl Chloride	10.6	10.2	10	106%	102%	3.8%	
trans-1,2-Dichloroethene	9.9	9.89	10	99%	99%	0.1%	
cis-1,2-Dichloroethene	9.75	9.27	10	98%	93%	5.0%	
Trichloroethene	9.13	9.45	10	91%	95%	3.4%	
Tetrachloroethene	9.31	9.61	10	93%	96%	3.2%	
4-bromofluorobenzene (surrogate)	97%	103%					
Analysis Date/Time:	3-7-21/09:44	3-7-21/10:31					
Analyst Initials	tjg	tjg					



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Flag Number

Comments

# CHAIN OF CUSTODY RECORD

EnvisionAir | 1441 Sadtler Circle West Drive | Indianapolis, IN 46239 | Phone: (317) 351-0885 | Fax: (317) 351-0882



www.envision-air.com  
 Sampling Type:  
 Soil-Gas:   
 Sub-Slab:   
 Indoor-Air:

Canister Pressure / Vacuum

Client: P.O. Number: 2021-0118

Report Address: rhaerman@enviroprosys.com  
 Project Name or Number: 6093  
 Portage Cleaners

Report To: R Haerman  
 Sampled by: R Brown

Phone: 202-290-4001  
 QA/QC Required: (circle if applicable)  
 Level III Level IV

Invoice Address: accounts@papalecenviroprosys.com  
 Reporting Units needed: (circle)  
 ug/m<sup>3</sup> mg/m<sup>3</sup> PPBV PPMV

Desired TAT: (Please Circle One)  
 1 day 2 days 3 days Std (5 bus. days)

Media type: 1LC = 1 Liter Canister  
 6LC = 6 Liter Canister  
 TB = Tedlar Bag  
 TD = Thermal Description Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List (Specify in notes)

Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time (Comp. End)	Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6093-115-SSV-1	1LC	3-3-21 12:37	12:37	3-3-21	12:42	84533	0003	-30	-5	-5	21-642
6093-115-SSV-2	1LC	3-3-21 12:26	12:26	3-3-21	12:36	83891	0082	-27	-5	-5	21-643

Comments: Short List: PCE, TCE, cDCE, tDCE, VC

Relinquished by:	Date	Time	Received by:	Date	Time
RLC	3-3-21	1600	PEE54	3-3-21	1600
			Sean Hennequin	3/4/21	1530