October 15, 2020

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 September 29, 2020. 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). Trichloroethene was detected in the sample from the SSV-2 location. No other compounds were detected in the sub-slab sample. The vapor results did not indicate a potential vapor intrusion concern.

EnviroForensics, LLC
N16 W23390 Stone Ridge Drive, Suite G
Waukesha, WI 53188
Phone: 262-290-4001 • Fax 317.972.7875

We anticipate scheduling the second of three sampling events for December. If you have any questions or concerns, please contact us at 262-510-0612 or by email at 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

Rob Hoverman, PG
Senior Project Manager

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

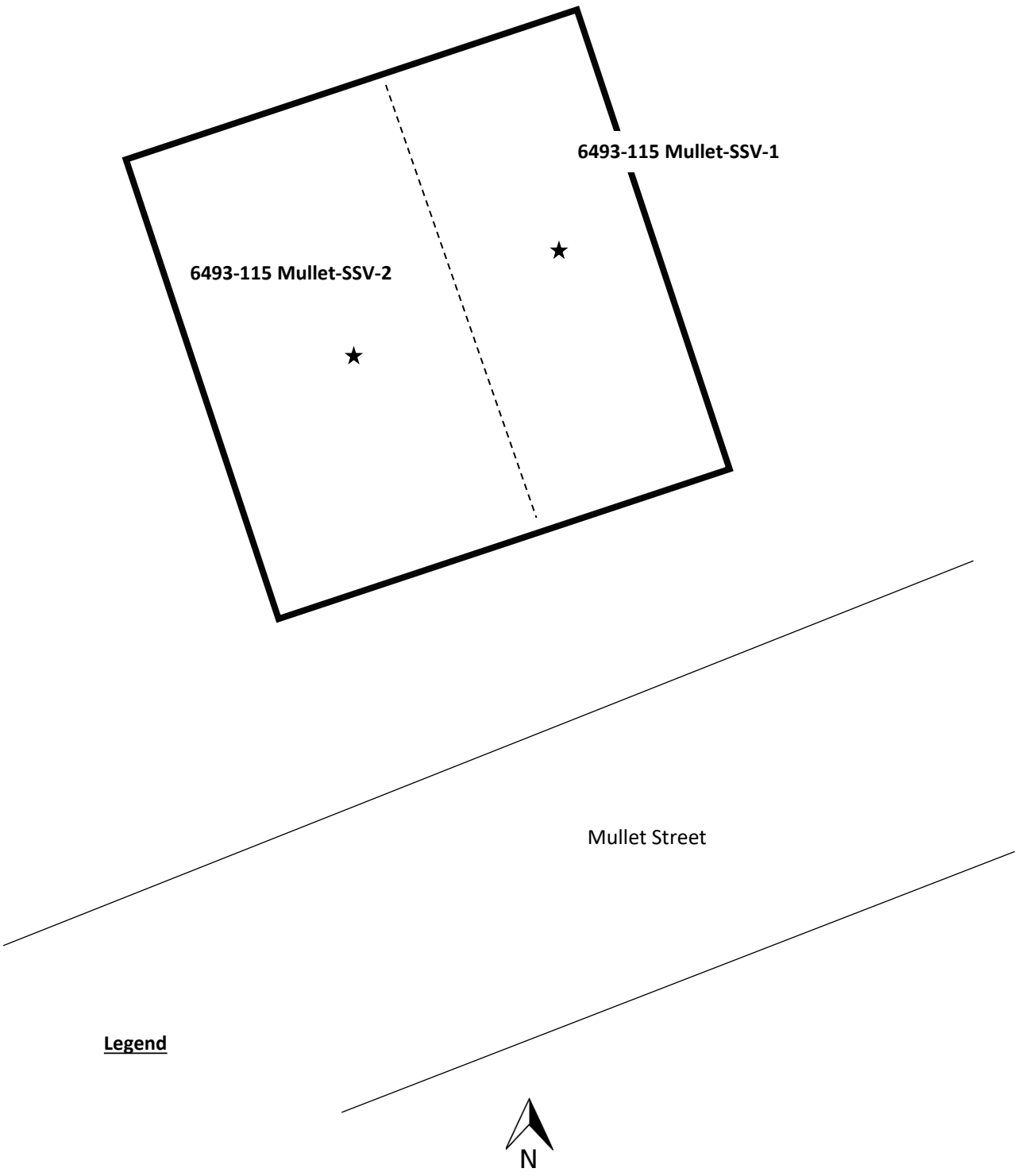

TABLE 1
VAPOR INTRUSION ASSESSMENT ANALYTICAL RESULTS

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
SUB-SLAB VAPOR									
Residential Vapor Risk Screening Level [2]					**1,400**	**70**	**NE**	**NE**	**57**
Small Commercial Vapor Risk Screening Level [1]					**6,000**	**290**	**NE**	**NE**	**930**
115 W. Mullet St	6493-115-SSV-1	9/29/2020	Small Commercial	No	**36.2**	<1.07	<19.8	<39.6	<1.28
	6493-115-SSV-2	9/29/2020		No	**28**	**2.26**	<19.8	<39.6	<1.28

Notes:

[1] The vapor risk screeing levels for small commercial structures are calculated in accordance with the procedures described in WDNR Publication RR-800 and subsequent guidance

[2] The vapor risk screeing 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/m3

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

SSV = Sub-Slab Vapor

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

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

October 9, 2020

EnvisionAir Project Number: 2020-559
Client Project Name: Portage 6493

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received October 2, 2020. 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,

Stanley A Hunnicutt

Project Manager
EnvisionAir, LLC

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: PORTAGE 6493

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2020-559

Sample Summary

Canister Pressure / Vacuum

Laboratory Sample Number:	Sample Description:	Matrix:	START Date Collected:	START Time Collected:	End Date Collected:	End Time Collected:	Date Received:	Time Received	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)
20-2608	6493-115 MULLET-SSV-1	A	9/29/20	11:28	9/29/20	11:33	10/2/20	12:15	-28	-2.5	-2.5
20-2609	6493-115 MULLET-SSV-2	A	9/29/20	11:45	9/29/20	11:51	10/2/20	12:15	-30	-4	-4

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: PORTAGE 6493

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2020-559

Analytical Method: TO-15
Analytical Batch: 100620CAIR

Client Sample ID: 6493-115 MULLET-SSV-1

EnvisionAir Sample Number: 20-2608
Sample Matrix: AIR

Sample Collection START Date/Time: 9/29/20 11:28
Sample Collection END Date/Time: 9/29/20 11:33
Sample Received Date/Time: 10/2/20 12:15

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	**36.2**	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	107%		
Analysis Date/Time:	10-7-20/14:15		
Analyst Initials	tjg		

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: PORTAGE 6493

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2020-559

Analytical Method: TO-15
Analytical Batch: 100620CAIR

Client Sample ID: 6493-115 MULLET-SSV-2

EnvisionAir Sample Number: 20-2609
Sample Matrix: AIR

Sample Collection START Date/Time: 9/29/20 11:45
Sample Collection END Date/Time: 9/29/20 11:51
Sample Received Date/Time: 10/2/20 12:15

Compounds	Sample Results ug/m³	Reporting Limit ug/m³	Flag
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	**27.9**	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	**2.26**	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	106%		
Analysis Date/Time:	10-7-20/15:34		
Analyst Initials	tjg		

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 100620CAIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags
cis-1,2-Dichloroethene	< 5	5	
Tetrachloroethene	< 0.47	0.47	
trans-1,2-Dichloroethene	< 10	10	
Trichlorethene	< 0.2	0.2	
Vinyl Chloride	< 0.5	0.5	
4-bromofluorobenzene (surrogate)	95%		
Analysis Date/Time:	10-6-20/23:43		
Analyst Initials	tjg		

LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	LCS/D Conc(ppbv)	LCS Rec.	LCSD Rec.	RPD	Flag
Vinyl Chloride	9.69	8.39	10	97%	84%	14.4%	
trans-1,2-Dichloroethene	10.6	10.9	10	106%	109%	2.8%	
cis-1,2-Dichloroethene	10.8	10.6	10	108%	106%	1.9%	
Trichloroethene	11.1	10.7	10	111%	107%	3.7%	
Tetrachloroethene	11.1	10.5	10	111%	105%	5.6%	
4-bromofluorobenzene (surrogate)	103%	101%					
Analysis Date/Time:	10-6-20/21:45	10-6-20/22:31					
Analyst Initials	tjg	tjg					

EnvisionAir
1441 Sadlier Circle West Drive
Indianapolis, IN 46239
Ph: 317-351-0885
Fax: 317-351-0882
www.envision-air.com

Flag Number	Comments

EnvisionAir Proj#: 2020-559 Page 1 of 1

CHAIN OF CUSTODY RECORD

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

Client: ENVIROFORENSICS	P.O. Number: 2020.1959
Report Address: N16W23390 STONE RIDGE WAUKESHA, WI	Project Name or Number: PORTAGE LC493
Report To: R. HOVERMAN	Sampled by: R. HOVERMAN
Phone: 414.630.0060	QA/QC Required: (circle if applicable) **Level III** **Level IV**
Invoice Address:	Reporting Units needed: (circle) **ug/m³** **mg/m³** **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 Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List (Specify in notes)

ENVISIONAIR

Sampling Type:
Soil-Gas: ☐
Sub-Slab: ☑
Indoor-Air: ☐

www.envision-air.com

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
										Canister Pressure / Vacuum					
6493-115 MULLET - SSV-1	1LC	9/29/20	1126	9/29/20	1133		X			83836	00655	-28	-2.5	-25	20-2608
6493-115 MULLET - SSV-2	V	V	1145	V	1151		V			83941	0016	-30	-4	-4	20-2609

Comments:
cVOC SHORT LIST PCE, TCE, cDCE, tDCE, & VC

Relinquished by:	Date	Time	Received by:	Date	Time
Robert Hoverman	10/1/2020	900	FEDEX		
			Stan Thunnicliff	10/2/20	1215