

February 12, 2021

Kenneth Fennewald 122 West Mullet Street Portage, WI 53901

Subject: Vapor Intrusion Sampling Results – 122 Mullet Street, Portage, Wisconsin

BRRTS: 02-11-512824

Dear Mr. Fennewald:

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 122 Mullet Street in Portage, Wisconsin. The samples were collected on January 25-26, 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 indoor air samples designated 6493-122 Mullet-IA-C, 6493-122 Mullet-IA-1 and 6493-122 Mullet-IA-2 were collected from within the crawl space, first floor and second floor, respectively. For quality control purposes a sample of outdoor ambient air designated 6493-122 Mullet-OA-1 was collected. No compounds of concern were detected in any of the samples.

Document: 6493-0246 EnviroForensics, LLC

N16 W23390 Stone Ridge Drive, Suite G

Waukesha, WI 53188

Phone: 262-290-4001 • Fax 317.972.7875

February 12, 2021



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**. A copy of the laboratory report that relates to the vapor samples is also attached. If you have any questions or concerns, please contact me by email at rhoverman@enviroforensics.com or by telephone at 262-510-0612 or. 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, LPG

Senior Project Manager

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

Document: 6493-0670 February 12, 2021

FIGURE 1 **VAPOR INTRUSION SAMPLE LOCATIONS** 122 Mullet Street, Portage Wisconsin Mullet Street 6493-122 Mullet-IA-1 6493-122 Mullet-IA-2 O 6493-122 Mullet-IA-C

Legend

• = Indoor/Outdoor Air Sample

IA-C = Crawl Space

IA-1 = 1st Floor





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
			INDOOR/OUTD	OOR AIR				1	
	Residential Vapor				42	2.1	NE	NE	1.7
Small Commercial Vapor Action Limit ¹				180	8.8	NE	NE	28	
	6493-122 Mullet-IA-C	09/30/20		No	<19.8	<1.07	<19.8	<39.6	<1.28
	0475-122 Wullet-IA-C	1/25/2021		110	<3.19	<1.07	<19.8	<39.6	<1.28
	(402 122) (11 , 14 1	09/30/20		No	<19.8	<1.07	<19.8	<39.6	<1.28
122 W. Mullet St.	6493-122 Mullet-IA-1	1/25/2021	Residential	NO	< 3.19	<1.07	<19.8	<39.6	<1.28
122 W. Mullet St.	(402 100 14 2	09/30/20	Residentiai	N.	<19.8	<1.07	<19.8	<39.6	<1.28
	6493-109-IA-2	1/25/2021		No	<3.19	<1.07	<19.8	<39.6	<1.28
	6402 OA 1	09/30/20		No	<19.8	<1.07	<19.8	<39.6	<1.28
	6493-OA-1	1/25/2021		No	<3.19	<1.07	<19.8	<39.6	<1.28

Notes:

Samples analyzed according to EPA Method TO-15

All concentrations reported in units in micrograms per cubic meter = $\mu g/m3$

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



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



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

February 4, 2021

EnvisionAir Project Number: 2021-48

Client Project Name: 6493 - Portage Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received January 29, 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,

Stanley A Hunnicutt

Stanley O. Hunnicutt

Project Manager EnvisionAir, LLC



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www.envision-air.com

Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-48

Sample Summary

Canister Pressure / Vacuum

			START	START							Lab
			Date	Time	End Date	End Time	Date	Time	Initial Field	Final Field	Received
Laboratory Sample Number:	Sample Description:	Matrix:	Collected:	Collected:	Collected:	Collected:	Received:	Received	(in. Hg)	(in. Hg)	(in. Hg)
21-218	6493-122 MULLET-IA-C	Α	1/25/21	15:45	1/26/21	15:42	1/29/21	13:00	-29	-3	-3
21-219	6493-122 MULLET-IA-1	Α	1/25/21	15:44	1/26/21	15:39	1/29/21	13:00	-28	0	0
21-220	6493-122 MULLET-IA-2	Α	1/25/21	15:42	1/26/21	15:40	1/29/21	13:00	-30	0	0
21-221	6493-OA-1	Α	1/25/21	15:40	1/26/21	15:34	1/29/21	13:00	-29	-2	-2



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-48

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-122 MULLET-IA-C Sample Collection START Date/Time: 1/25/21 15:45

Sample Collection END Date/Time: 1/25/21 15:42

EnvisionAir Sample Number: 21-218 Sample Received Date/Time: 1/29/21 13:00

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	_
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surre	ogate) 101%		
Analysis Date/Time:	2-2-21/00:16		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-48

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-122 MULLET-IA-1 Sample Collection START Date/Time: 1/25/21 15:44

Sample Collection END Date/Time: 1/25/21 15:39

EnvisionAir Sample Number: 21-219 Sample Received Date/Time: 1/29/21 13:00

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surr	ogate) 98%		
Analysis Date/Time:	2-2-21/00:58		
Analyst Initials	tia		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-48

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-122 MULLET-IA-2 Sample Collection START Date/Time: 1/25/21 15:42

Sample Collection END Date/Time: 1/25/21 15:40

EnvisionAir Sample Number: 21-220 Sample Received Date/Time: 1/29/21 13:00

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surre	ogate) 104%		
Analysis Date/Time:	2-2-21/05:54		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-48

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-OA-1 Sample Collection START Date/Time: 1/25/21 15:40

Sample Collection END Date/Time: 1/25/21 15:34

EnvisionAir Sample Number: 21-221 Sample Received Date/Time: 1/29/21 13:00 Sample Matrix: AIR

Sample Results ug/m³ Reporting Limit ug/m³ Compounds <u>Flag</u> cis-1,2-Dichloroethene < 19.8 19.8 < 3.19 3.19 Tetrachloroethene trans-1,2-Dichloroethene < 39.6 39.6 Trichloroethene < 1.07 1.07 Vinyl Chloride < 1.28 1.28 4-bromofluorobenzene (surrogate) 106%

Analysis Date/Time: 2-1-21/21:30
Analyst Initials tjg



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020121AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
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)	101%		
Analysis Date/Time:	2-1-21/09:59		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	RPD	Flag
Vinyl Chloride	8.78	8.85	10	88%	89%	0.8%	
trans-1,2-Dichloroethene	9.83	10.9	10	98%	109%	10.3%	
cis-1,2-Dichloroethene	11.2	11	10	112%	110%	1.8%	
Trichloroethene	10.7	10.2	10	107%	102%	4.8%	
Tetrachloroethene	9.33	9.59	10	93%	96%	2.7%	
4-bromofluorobenzene (surrogate)	100%	97%					
Analysis Date/Time:	2-1-21/08:40	2-1-21/09:24					
Analyst Initials	tjg	tjg					



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Flag Number Comments

EnvisionAir Proj#: 2021-48 Page & of K

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

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93-12 Mullet 6LC 15:44 15:39 1960 222 -28 0 140-30 160 15:40 15:34 91:39 746 -30 0 140-30 15:40 15:40 15:34 91:39 746 -20 0 140-30 15:40 15:40 15:40 15:40 15:40 16:40	-101C	1220	145		15.42	×		4053	0x+t	62-	(n)	~	21-218
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-0A-) 6LC V 15:40 V 15:39 V 91539 7710 -29 - 2 Short List Date Time Received by: Relinquished by: PLY L! 1200 743 CX 1-1	93.122 Mullet-		745		7			4659	7461	-30	0	Ø	21-220
Short LIST TCE, CDCE, LDCE, VC Relinquished by: Relinquis	_	>		1	17:34	>		91539	944	-29	2	2	21-221
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February 12, 2021

Jennifer Schkirkie 105 Warren Street Portage, WI 53901

Subject: Vapor Intrusion Sampling Results – 105 Warren Street, Portage, Wisconsin

BRRTS: 02-11-512824

Dear Ms. Schkirkie:

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 105 Warren Street in Portage, Wisconsin. The samples were collected on January 25-26, 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 indoor air samples designated 6493-105 Warren-IA-B and 6493-105 Warren-IA-1 were collected from within the basement and first floor, respectively. For quality control purposes a sample of outdoor ambient air designated 6493-105 Warren-OA-1 was collected. Additionally, one (1) sub-slab vapor sample designated 6493-105 Warren-SSV-1 was collected from beneath the basement floor of your 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.

Document: 6493-0246 EnviroForensics, LLC

N16 W23390 Stone Ridge Drive, Suite G

Waukesha, WI 53188

Phone: 262-290-4001 • Fax 317.972.7875

February 12, 2021



PCE was detected in the sub-slab vapor sample, but at a concentration below the Vapor Risk Screening Level (VRSL). No other compounds were detected in the sub-slab sample. The indoor air results did not contain any compounds of concern.

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, LPG

Senior Project Manager

Rebecca Brown

Field Professional

Attachments: Figure 1 – Vapor Intrusion Sampling Locations

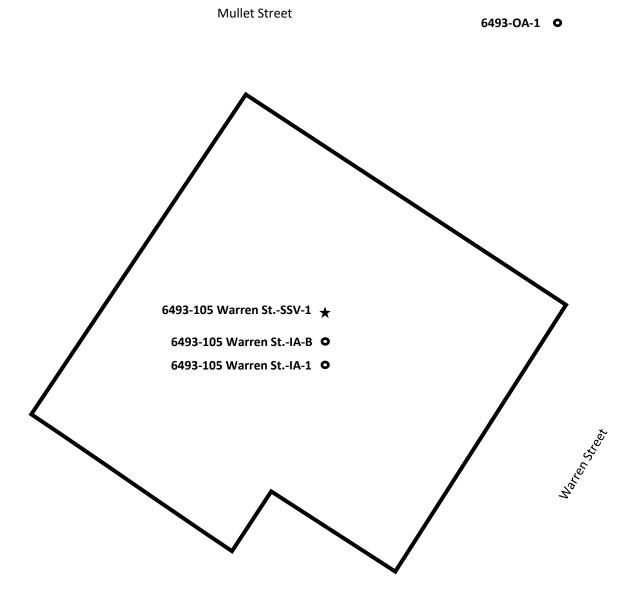
Table 1 – Vapor Intrusion Assessment Results Summary

Laboratory Analytical Report

Copy: Larry Lester, Wisconsin Department of Natural Resources

Document: 6493-0246 February 12, 2021

FIGURE 1 VAPOR INTRUSION SAMPLE LOCATIONS 105 Warren Street, Portage Wisconsin



<u>Legend</u>

• = Indoor/Outdoor Air Sample

IA-B = Basement

IA-1 = 1st Floor

SSV-1 = Sub-Slab Vapor

★ = 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-Dichloroethen	Vinyl chloride
			INDOOR/OUTD	OOR AIR					
	Residential Vapor	Action Limi	t ²		42	2.1	NE	NE	1.7
	Small Commercial Var	or Action L	imit ¹		180	8.8	NE	NE	28
		09/07/17			<3.19	55.3	<19.8	<39.6	<1.28
	6493-105 Warren St-IA-B	12/06/17	Residential	No	<3.19	<1.07	<19.8	<39.6	<1.28
	0 193 Too Wallen St II I B	09/30/20	residential	1.0	<3.19	<1.07	<19.8	<39.6	<1.28
		1/25/2021			<3.19	<1.07	<19.8	<39.6	<1.28
		09/07/17			<3.19	76.4	<19.8	<39.6	<1.28
105 Warren St.	6493-105 Warren St-IA-1	12/06/17	Residential	No	<3.19	<1.07	<19.8	<39.6	<1.28
	0.55 105	09/30/20	residential	1.0	<3.19	<1.07	<19.8	<39.6	<1.28
		1/25/2021			<3.19	<1.07	<19.8	<39.6	<1.28
	6493-OA-1	09/07/17	Residential	No	<3.19	<1.07	<19.8	<39.6	<1.28
		12/06/17			<3.19	<1.07	<19.8	<39.6	<1.28
	0473-OA-1	09/30/20	Residential		<3.19	<1.07	<19.8	<39.6	<1.28
		1/25/2021			<3.19	<1.07	<19.8	<39.6	<1.28
			SUB-SLAB V	APOR					
	Residential Vapor Risk				1,400	70	NE	NE	57
	Small Commercial Vapor I	Risk Screeni	ng Level ¹		6,000	290	NE	NE	930
		9/7/2017			10.9	3.28	<19.8	<39.6	<1.28
105 Warren St.	6493-105 Warren St-SSV-1	12/6/2017	Residentail	No	50.9	<10.7	<198	<396	<12.8
100 Walleli Bt.	01/3 103 Wallell St-33 V-1	9/30/2020	Residentall	110	25.2	<10.7	<198	<396	<12.8
		1/26/2021			5.49	<1.07	<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 = $\mu g/m3$

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





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

February 4, 2021

EnvisionAir Project Number: 2021-46

Client Project Name: 6493 – Portage Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received January 29, 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,

Stanley A Hunnicutt

Stanley O. Hunnicutt

Project Manager EnvisionAir, LLC



www.envision-air.com

1441 Sadlier Circle West Drive Indianapolis, IN 46239 Ph: 317-351-0885 Fax: 317-351-0882

Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-46

Sample Summary

Canister Pressure / Vacuum

			START	START							<u>Lab</u>
			Date	Time	End Date	End Time	Date	Time	Initial Field	Final Field	Received
Laboratory Sample Number:	Sample Description:	Matrix:	Collected:	Collected:	Collected:	Collected:	Received:	Received	(in. Hg)	(in. Hg)	(in. Hg)
21-212	6493-105 WARREN ST-IA-B	Α	1/25/21	10:02	1/26/21	9:57	1/29/21	13:00	-30	-7	-7
21-213	6493-105 WARREN ST-IA-1	Α	1/25/21	10:00	1/26/21	9:55	1/29/21	13:00	-30	0	0
21-214	6493-OA-1	Α	1/25/21	9:55	1/26/21	9:45	1/29/21	13:00	-29	-2	-2
21-215	6493-105 WARREN ST-SSV-1	Α	1/26/21	9:58	1/26/21	10:06	1/29/21	13:00	-29	-3	-3



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-46

Analytical Method: TO-15
Analytical Batch: 020121AIR

6493-105 WARREN ST-

Client Sample ID: IA-B Sample Collection START Date/Time: 1/25/21 10:02

Sample Collection END Date/Time: 1/26/21 9:57

EnvisionAir Sample Number: 21-212 Sample Received Date/Time: 1/29/21 13:00

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	gate) 108%		
Analysis Date/Time:	2-1-21/22:52		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-46

Analytical Method: TO-15
Analytical Batch: 020121AIR

6493-105 WARREN ST-

Client Sample ID: IA-1 Sample Collection START Date/Time: 1/25/21 10:00

Sample Collection END Date/Time: 1/26/21 9:55

EnvisionAir Sample Number: 21-213 Sample Received Date/Time: 1/29/21 13:00

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrog	gate) 109%		
Analysis Date/Time:	2-1-21/23:34		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-46

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-OA-1 Sample Collection START Date/Time: 1/25/21 9:55

Sample Collection END Date/Time: 1/26/21 9:45

EnvisionAir Sample Number: 21-214 Sample Received Date/Time: 1/29/21 13:00

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	ogate) 99%		
Analysis Date/Time:	2-1-21/20:50		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-46

Analytical Method: TO-15
Analytical Batch: 020221AIR

6493-105 WARREN ST-

Client Sample ID: SSV-1 Sample Collection START Date/Time: 1/26/21 9:58

Sample Collection END Date/Time: 1/26/21 10:06

EnvisionAir Sample Number: 21-215 **Sample Received Date/Time:** 1/29/21 13:00

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	5.49	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrog	gate) 99%		
Analysis Date/Time:	2-2-21/14:20		
Analyst Initials	tjg		



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020121AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
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)	101%		
Analysis Date/Time:	2-1-21/09:59		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	Flag
Vinyl Chloride	8.78	8.85	10	88%	89%	0.8%	
trans-1,2-Dichloroethene	9.83	10.9	10	98%	109%	10.3%	
cis-1,2-Dichloroethene	11.2	11	10	112%	110%	1.8%	
Trichloroethene	10.7	10.2	10	107%	102%	4.8%	
Tetrachloroethene	9.33	9.59	10	93%	96%	2.7%	
4-bromofluorobenzene (surrogate)	100%	97%					
Analysis Date/Time:	2-1-21/08:40	2-1-21/09:24					
Analyst Initials	tjg	tjg					



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020221AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
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)	104%		
Analysis Date/Time:	2-2-21/12:58		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
<u>LCS/LCSD</u>	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	<u>Flag</u>
Vinyl Chloride	10.5	9.93	10	105%	99%	5.6%	
trans-1,2-Dichloroethene	10.9	10.1	10	109%	101%	7.6%	
cis-1,2-Dichloroethene	10.6	10.6	10	106%	106%	0.0%	
Trichloroethene	10.1	10.2	10	101%	102%	1.0%	
Tetrachloroethene	9.97	9.69	10	100%	97%	2.8%	
4-bromofluorobenzene (surrogate)	97%	101%					
Analysis Date/Time:	2-2-21/11:34	2-2-21/12:22					
Analyst Initials	tjg	tjg					



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Flag Number Comments

CHAIN OF CUSTODY RECORD

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

			-							
Client:	P.O. Number:	7071-17	335							
339	Project Name or Nimber:	r Nimber	5,	REQU	REQUESTED PARAMETERS	ETERS				
Address: Address: Nes Do Ste G	Portog	-, Cleaners	2 SS		(SəJol		1			
4	Sampled by:	2 Brow	Ç		in Gi				CID	
Phone: 414-(030-006)	QA/QC Required: (dircle if applicable) Level III Level IV	red: (circle if applied Level III Level	applicable)	\	isods) k			>	5	
Invoice Address: accounts payable on instantists com	Reporting Units needed: (cirde)	s needed: (circl m³ PPBV	le)	POLI HUA	SIT NO.	Soil-Gas:	::1	NAC THURSE	THE LEAST OF THE LABOR.	
Desired TAT: (Please Circle One) 1 day 2 days 3 days \$td (5 bus. days)	Media type:	1LC = 1 Liter Canister 6LC = 6 Liter Canister TB = Tedlar Bag TD = Thermal Desorption Tube		51.01	1 / 51.01/5	Indoor-Air:	Canister	www.clivisiolir-	/acuum	ПО
Air Sample ID Media Type	Coll. Coll. Date Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time		Canister Serial #	Controller Serial#	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
	F15-21 10:02	17.97-1	なら	×	14945	4655	30	PA	aug in	21-212
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February 12, 2021

David Beino 109 Mullet Street Portage, WI 53901

Subject: Vapor Intrusion Sampling Results – 109 Mullet Street, Portage, Wisconsin

BRRTS: 02-11-512824

Dear Mr. Beino:

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 109 Mullet Street in Portage, Wisconsin. The samples were collected on January 25-26, 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

Three indoor air samples designated 6493-109-IA-1, 6493-109-IA-2 and 6493-109-IA-3 were collected from within the building. For quality control purposes a sample of outdoor ambient air designated 6493-OA-1 was collected. Additionally, three (3) sub-slab vapor sample designated 6493-109-SSV-1, 6493-109-SSV-2 and 6493-109-SSV-3 were collected from beneath the floor of your 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.

Document: 6493-0246 EnviroForensics, LLC

N16 W23390 Stone Ridge Drive, Suite G

Waukesha, WI 53188

Phone: 262-290-4001 • Fax 317.972.7875



PCE was detected in the indoor air samples and the 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.

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, LPG

Senior Project Manager

Rebecca Brown

Field Professional

Attachments: Figure 1 – Vapor Intrusion Sampling Locations

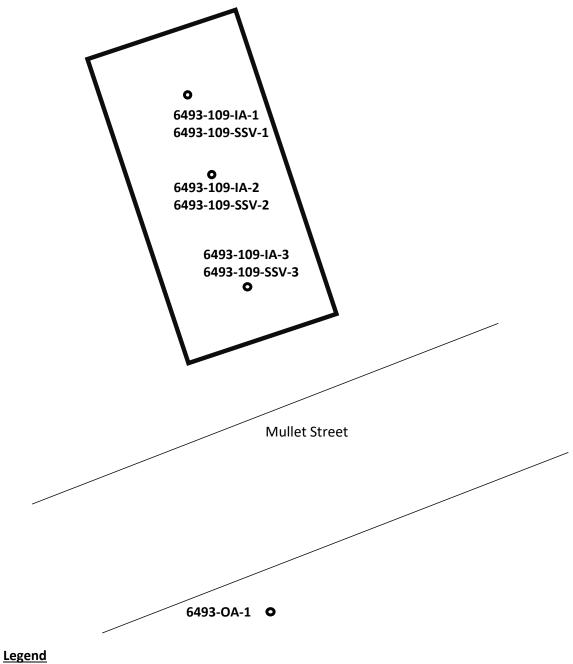
Table 1 – Vapor Intrusion Assessment Results Summary

Laboratory Analytical Report

Copy: Larry Lester, Wisconsin Department of Natural Resources

Document: 6493-0246 February 12, 2021

FIGURE 1 VAPOR INTRUSION SAMPLE LOCATIONS 109 Mullet Street, Portage Wisconsin



• = Indoor/Outdoor Air Sample





TABLE 1 VAPOR INTRUSION 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
		INI	OOR/OUTI	OOR AIR					
	tial Vapor Action Limit				42	2.1	NE	NE	1.7
Small Com	mercial Vapor Action Limit				180	8.8	NE	NE	28.0
	6493-109-IA-1	03/16/18	Small	No	32.2	<1.07	<19.8	<39.6	<1.28
		01/26/21	Commercial		<3.19	<1.07	<19.8	<39.6	<1.28
	6493-109-IA-2	03/16/18	Small	No	18.2	<1.07	<19.8	<39.6	<1.28
109 Mullet St		01/26/21	Commercial		5.29	<1.07	<19.8	<39.6	<1.28
	6493-109-IA-3	03/16/18	Small	No	27.8	<1.07	<19.8	<39.6	<1.28
		01/26/21	Commercial		5.90	<1.07	<19.8	<39.6	<1.28
	6493-OA-1	03/16/18	Small	No	<3.19	<1.07	<19.8	<39.6	<1.28
		01/26/21	Commercial		<3.19	<1.07	<19.8	<39.6	<1.28
			SUB-SLAB V	APOR					
	Vapor Risk Screening Level				1,400	70	NE	NE	57
Small Com	mercial Vapor Action Limit	0.00.00.00			6,000	290	NE	NE	930
		8/7/2017			3,090	<10.7	<198	<396	<12.8
109 Mullet St	6493-109-SSV-1	1/23/2018	Small	No	12,100	<10.7	<198	<396	<12.8
109 Mullet St	0493-109-88 V-1	3/16/2018	Commercial	No	1480	<1.07	<19.8 <19.8	<39.6	<1.28
		9/30/2020			331 17.4	<1.07		<39.6	<1.28
		1/26/2021				<1.07	<19.8	<39.6	<1.28
		8/7/2017 1/23/2018			3,810	<10.7 <10.7	<198 <198	<396 <396	<12.8 <12.8
109 Mullet St	6493-109-SSV-2	3/16/2018	Small	No	18,700 3,210	19.8	<19.8	<39.6	<1.28
109 Mullet St	0473-107-33 V-2	9/30/2020	Commercial	NO	2,160	2.26	<19.8	<39.6	<1.28
		1/26/2021			510	<1.07	<19.8	<39.6	<1.28
		8/7/2017			2490	<10.7	<19.8	<39.6	<12.8
		1/23/2018			2030	<10.7	<198	<396	<12.8
109 Mullet St	6493-109-SSV-3	3/16/2018	Small	No	210	11.1	<19.8	<39.6	<1.28
107 Munct St	04/3 10/-00 4-3	9/30/2020	Commercial	110	2660	<1.07	<19.8	<39.6	<1.28
		1/26/2021			3.87	<1.07	<19.8	<39.6	<1.28
		1/20/2021	l		3.07	\1.U/	~17.0	\J7.0	~1.20

Notes:

All concentrations reported in micrograms per cubic meter = $\mu g/m^3$

Samples analyzed according to EPA Method TO-15

The vapor risk screeing levels for residential structures are calculated in accordance with the procedures described in WDNR Publication RR-800 and subsequent guidance

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 residential Vapor Rick Screening Level

NE = Not Established

 $IA = Indoor\ Air$

OA = Outdoor Air

SSV = Sub-Slab Vapor



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

February 4, 2021

EnvisionAir Project Number: 2021-49

Client Project Name: 6493 – Portage Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received January 29, 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,

Stanley A Hunnicutt

Stanley O. 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: 2021-49

Sample Summary

Canister Pressure / Vacuum

			START	START							<u>Lab</u>
			Date	Time	End Date	End Time	Date	Time	Initial Field	Final Field	Received
Laboratory Sample Number:	Sample Description:	Matrix:	Collected:	Collected:	Collected:	Collected:	Received:	Received	(in. Hg)	(in. Hg)	(in. Hg)
21-222	6493-109-IA-1	Α	1/26/21	8:02	1/26/21	16:14	1/29/21	13:00	-27	-10	-10
21-223	6493-109-IA-2	Α	1/26/21	8:06	1/26/21	16:02	1/29/21	13:00	-27	-7	-7
21-224	6493-109-IA-3	Α	1/26/21	8:09	1/26/21	16:06	1/29/21	13:00	-29	-8	-8
21-225	6493-OA-1	Α	1/26/21	8:11	1/26/21	16:05	1/29/21	13:00	-25	-4	-4
21-226	6493-109-SSV-1	Α	1/26/21	16:35	1/26/21	16:45	1/29/21	13:00	-20	-3	-3
21-227	6493-109-SSV-2	Α	1/26/21	16:30	1/26/21	16:34	1/29/21	13:00	-26	-4	-4
21-228	6493-109-SSV-3	Α	1/26/21	16:24	1/26/21	16:29	1/29/21	13:00	-29	-4	-4



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-109-IA-1 Sample Collection START Date/Time: 1/26/21 8:02

Sample Collection END Date/Time: 1/26/21 16:14

EnvisionAir Sample Number: 21-222 **Sample Received Date/Time:** 1/29/21 13:00

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	ogate) 97%		
Analysis Date/Time:	2-2-21/06:34		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15
Analytical Batch: 020121AIR

Client Sample ID: 6493-109-IA-2 Sample Collection START Date/Time: 1/26/21 8:06

Sample Collection END Date/Time:1/26/2116:02Sample Received Date/Time:1/29/2113:00

Sample Matrix: AIR

EnvisionAir Sample Number:

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	5.29	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrog	gate) 102%		
Analysis Date/Time:	2-2-21/03:54		
Analyst Initials	tjg		

21-223



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15 **Analytical Batch:** 020121AIR

Client Sample ID: 6493-109-IA-3 Sample Collection START Date/Time: 1/26/21 8:09

Sample Collection END Date/Time: 1/26/21 16:06 Sample Received Date/Time: 1/29/21 13:00

EnvisionAir Sample Number: Sample Matrix: AIR

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	5.90	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	ogate) 107%		
Analysis Date/Time:	2-2-21/04:36		
Analyst Initials	tia		

21-224



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15 **Analytical Batch:** 020121AIR

Client Sample ID: 6493-OA-1 Sample Collection START Date/Time: 1/26/21 8:11

Sample Collection END Date/Time: 1/26/21 16:05 Sample Received Date/Time: 1/29/21 13:00

EnvisionAir Sample Number: 21-225

Sample Matrix: AIR

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	< 3.19	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	ogate) 101%		
Analysis Date/Time:	2-1-21/22:09		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15
Analytical Batch: 020221AIR

Client Sample ID: 6493-109-SSV-1 Sample Collection START Date/Time: 1/26/21 16:35

Sample Collection END Date/Time: 1/26/21 16:45

EnvisionAir Sample Number: 21-226 Sample Received Date/Time: 1/29/21 13:00

Sample Matrix: AIR

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	17.4	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	ogate) 102%		
Analysis Date/Time:	2-2-21/16:26		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15 **Analytical Batch:** 020221AIR

Client Sample ID: 6493-109-SSV-2 Sample Collection START Date/Time: 1/26/21 16:30

> Sample Collection END Date/Time: 1/26/21 16:34 Sample Received Date/Time: 1/29/21 13:00

EnvisionAir Sample Number: Sample Matrix: AIR

Analyst Initials

Compounds	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	510	128	1
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrog	gate) 108%		
Analysis Date/Time:	2-2-21/17:48		

21-227

tjg



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-49

Analytical Method: TO-15
Analytical Batch: 020221AIR

Client Sample ID: 6493-109-SSV-3 Sample Collection START Date/Time: 1/26/21 16:24

Sample Collection END Date/Time: 1/26/21 16:29 Sample Received Date/Time: 1/29/21 13:00

EnvisionAir Sample Number: 21-228
Sample Matrix: AIR

Compounds Sample Results ug/m³ Reporting Limit ug/m³ Flag

 cis-1,2-Dichloroethene
 < 19.8</td>
 19.8

 Tetrachloroethene
 3.87
 3.19

 trans-1,2-Dichloroethene
 < 39.6</td>
 39.6

 Trichloroethene
 < 1.07</td>
 1.07

 Vinyl Chloride
 < 1.28</td>
 1.28

4-bromofluorobenzene (surrogate) 94%
Analysis Date/Time: 2-2-21/19:09
Analyst Initials tjg



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020121AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
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)	101%		
Analysis Date/Time:	2-1-21/09:59		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	Flag
Vinyl Chloride	8.78	8.85	10	88%	89%	0.8%	
trans-1,2-Dichloroethene	9.83	10.9	10	98%	109%	10.3%	
cis-1,2-Dichloroethene	11.2	11	10	112%	110%	1.8%	
Trichloroethene	10.7	10.2	10	107%	102%	4.8%	
Tetrachloroethene	9.33	9.59	10	93%	96%	2.7%	
4-bromofluorobenzene (surrogate)	100%	97%					
Analysis Date/Time:	2-1-21/08:40	2-1-21/09:24					
Analyst Initials	tjg	tjg					



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020221AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
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)	104%		
Analysis Date/Time:	2-2-21/12:58		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	Flag
Vinyl Chloride	10.5	9.93	10	105%	99%	5.6%	
trans-1,2-Dichloroethene	10.9	10.1	10	109%	101%	7.6%	
cis-1,2-Dichloroethene	10.6	10.6	10	106%	106%	0.0%	
Trichloroethene	10.1	10.2	10	101%	102%	1.0%	
Tetrachloroethene	9.97	9.69	10	100%	97%	2.8%	
4-bromofluorobenzene (surrogate)	97%	101%					
Analysis Date/Time:	2-2-21/11:34	2-2-21/12:22					
Analyst Initials	tjg	tjg					



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Flag Number

Comments

1

Reported value is from a 40x dilution. TJG 02-03-21

CHAIN OF CUSTODY RECORD

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

Client:	P.O. Number: 702] - 0	021-00	3XX			0				
Report VICEN 23390 Stone, Ridge	Project Name or Number:	Number:	24	REQU	REQUESTED PARAMETERS	IEKS				
Was		Parok	55.0		(50104		7			
Report To: R. 1-12 Perman	Sampled by: Q	Back		66	in di		THE	>		ALANOIZIVA:
Phone: 414-630-0060	QA/QC Required: (circle if applicable) Level III Level IV	red: (circle if applicable)	able)	\	Dads) is			>		
Invoice Address: ACCONTS	Reporting Units needed: (circle)	needed: (circle	e) PPMV	ISIT IIN'T	THOI HOT	Soil-Gas:	LOA -	WWW en	moo rie_noisivne www	46
Desired TAT: (Please Errde One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Lite 6LC = 6 Lite TB = Tedla TD = Therr	1LC = 1 Liter Canister 6LC = 6 Liter Canister TB = Tedlar Bag TD = Thermal Desorption Tube	9130	51.01	1 / 50.00 / 50.		Canister	Canister Pressure / Vacuum	facuum	
Air Sample ID Media Type (Seconds above code	Coll. Coll. Date Time (Grab/Comp Surt.) Surt.)	Coll. Date (Comp. End)	Coll. Time	PERMISSION OF THE STATE OF THE	Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
1,493-109-7A.1 6/C 1-26-21 8:02 1-76-21 16	-16-L1 X:02	1-16-21	16:14	×	91610	2220	t2-	01-	-10	21-222
12-12-12-12-12-12-12-12-12-12-12-12-12-1	W. 2.00	1-102 J.	10.02	LOA A m	10345	7365	t2-	t	1	21-223
1243-104-14-3 61C	00.9112-91-1 60.8 17-91-1	(7-97-)	16.00		19625	4227	53	N	20	21-224
779	1-26-21 8:11 1-26-21 16:0	1-76-21	(6.05		91446	5252	3.	17-	7	21-225
7.1	1-4-21 16:35	1-9/17-97-1	16.45		2002	0050	2	3	-3	21-226
1/6	1-2-11 16:30 1-16-21 16:34	17-77-1	16:34		2235	2600	92-	[7-	7	21-227
110	1-12-21 16.24	1-6-21 16:29	16:29	>	49-8	0719	52	ナー	4-	21-228
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Comments:	11S+: H	ETC.	t,C	ZF. T	XE, VC			Second		
Relinguished by:)		Date	Time	Rec	Received by:		Date	e	Time
8		0 1			3	1		136	-	100



February 12, 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 January 25, 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.

Document: 6493-0667 EnviroForensics, LLC

N16 W23390 Stone Ridge Drive, Suite G

Waukesha, WI 53188

Phone: 262-290-4001 • Fax 317.972.7875

February 12, 2021



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

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

Document: 6493-0667 February 12, 2021

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

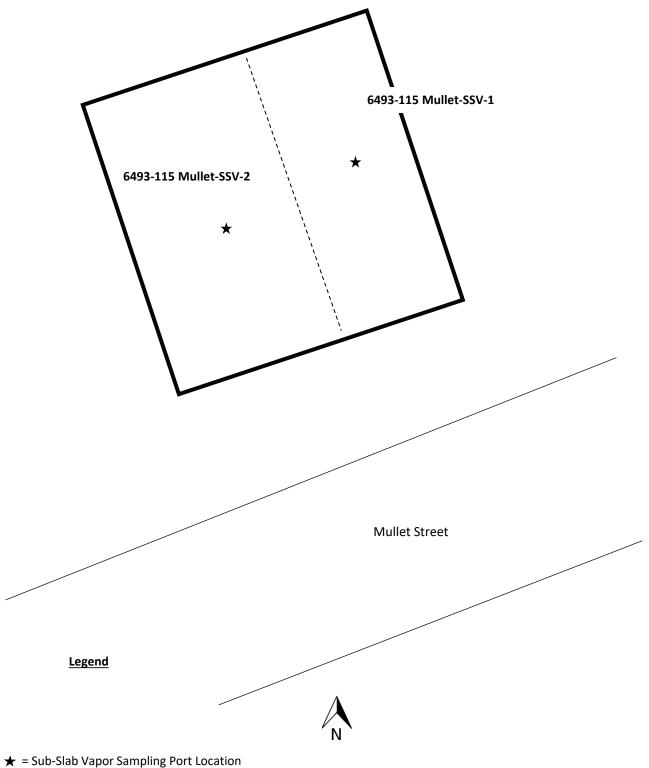






TABLE 1 VAPOR INTRUSION ASSESSMENT ANALYTICAL RESULTS

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 V	APOR					
	Residential Vapor Risk	Screening I	Level ²		1,400	70	NE	NE	57
	Small Commercial Vapor	Risk Screeni	ng Level 1		6,000	290	NE	NE	930
	6493-115-SSV-1	9/29/2020	Small Commercial	No	36.2	<1.07	<19.8	<39.6	<1.28
115 W. Mullet St	0 1 /3-113-35 V-1	1/25/2021		140	33.7	<1.07	<19.8	<39.6	<1.28
115 W. Widnet St	6493-115-SSV-2	9/29/2020	Small Commercial	No	28	2.26	<19.8	<39.6	<1.28
	0 1 /3-113-33 V-2	1/25/2021		140	14.7	<1.07	<19.8	<39.6	<1.28

Notes:

Samples analyzed according to EPA Method TO-15

All concentrations reported in units in micrograms per cubic meter = $\mu g/m3$

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



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



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

February 4, 2021

EnvisionAir Project Number: 2021-47

Client Project Name: 6493 – Portage Cleaners

Dear Mr. Hoverman,

Please find the attached analytical report for the samples received January 29, 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,

Stanley A Hunnicutt

Stanley O. 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: 2021-47

Sample Summary

Canister Pressure / Vacuum

			START	START							<u>Lab</u>
			Date	Time	End Date	End Time	Date	Time	Initial Field	Final Field	Received
Laboratory Sample Number:	Sample Description:	Matrix:	Collected:	Collected:	Collected:	Collected:	Received:	Received	(in. Hg)	(in. Hg)	(in. Hg)
21-216	6493-115-SSV-1	Α	1/25/21	12:31	1/25/21	12:36	1/29/21	13:00	-29	-3	-3
21-217	6493-115-SSV-2	Α	1/25/21	12:22	1/25/21	12:28	1/29/21	13:00	-27	-3	-3



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-47

Analytical Method: TO-15
Analytical Batch: 020221AIR

Client Sample ID: 6493-115-SSV-1 Sample Collection START Date/Time: 1/25/21 12:31

Sample Collection END Date/Time:1/25/2112:36Sample Received Date/Time:1/29/2113:00

Sample Matrix: AIR

EnvisionAir Sample Number:

Analyst Initials

Sample Results ug/m³ Reporting Limit ug/m³ Compounds Flag cis-1,2-Dichloroethene < 19.8 19.8 Tetrachloroethene 33.7 3.19 trans-1,2-Dichloroethene < 39.6 39.6 Trichloroethene < 1.07 1.07 Vinyl Chloride < 1.28 1.28 4-bromofluorobenzene (surrogate) 108% Analysis Date/Time: 2-2-21/15:02

21-216

tjg



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Client Name: ENVIROFORENSICS

Project ID: 6493 - PORTAGE CLEANERS

Client Project Manager: ROB HOVERMAN

EnvisionAir Project Number: 2021-47

Analytical Method: TO-15
Analytical Batch: 020221AIR

Client Sample ID: 6493-115-SSV-2 Sample Collection START Date/Time: 1/25/21 12:22

Sample Collection END Date/Time: 1/25/21 12:28

EnvisionAir Sample Number: 21-217 **Sample Received Date/Time:** 1/29/21 13:00

Sample Matrix: AIR

<u>Compounds</u>	Sample Results ug/m ³	Reporting Limit ug/m ³	<u>Flag</u>
cis-1,2-Dichloroethene	< 19.8	19.8	
Tetrachloroethene	14.7	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surro	ogate) 105%		
Analysis Date/Time:	2-2-21/15:44		
Analyst Initials	tjg		



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 020221AIR

Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	<u>Flags</u>
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)	104%		
Analysis Date/Time:	2-2-21/12:58		
Analyst Initials	tjg		

			LCS/D	LCS	LCSD		
<u>LCS/LCSD</u>	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	<u>Flag</u>
Vinyl Chloride	10.5	9.93	10	105%	99%	5.6%	
trans-1,2-Dichloroethene	10.9	10.1	10	109%	101%	7.6%	
cis-1,2-Dichloroethene	10.6	10.6	10	106%	106%	0.0%	
Trichloroethene	10.1	10.2	10	101%	102%	1.0%	
Tetrachloroethene	9.97	9.69	10	100%	97%	2.8%	
4-bromofluorobenzene (surrogate)	97%	101%					
Analysis Date/Time:	2-2-21/11:34	2-2-21/12:22					
Analyst Initials	tjg	tjg					



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Flag Number Comments

EnvisionAir Proj#: 2021-47 Page Z of K PAS

CHAIN OF CUSTODY RECORD

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	REQUESTED PARAMETERS		SINUSIONAL SIONAL	Somuling Tyne.	Soil-Gas: Sub-Slab: Sub-Slab: www.envision-air.com	Indoor-Air:	Canister Flow Initial Final Lab EnvisionAir Serial # Controller Field Received Sample Number Serial # (in. Hg) (in. Hg) (in. Hg)	X 2210 57 -29 -3 -3 21-216	X 88940 8 -27 -3 -3 21-217					CDCE, tDCE, VC	Time Received by: Date Time	1200 1/29/21 1200
20	200		J.A.D.	applicable)	(circle)	n Tube	Coll. Time	21 12:36	11/28		on fig.		The second	TOF	Date	-28.51
8	P.O. Nullibel . ZOO -(Project Name or Number (Sampled by: R Br	QA/QC Required: (circle if applicable) Level III Level IV	Reporting Units needed: (circle)	ype: 1LC = 1 Liter Canister 6LC = 6 Liter Canister TB = Tedlar Bag TD = Thermal Desorption Tube			1222 1-25					TO A		
	_) \		· C		Std (5 bus. days)	Media Coll. Type Date	-	1CC 175-21					t	Relinguished by:	
	Client:	Report Drist Control 53 lb	Report To: Phy Prmar	Phone: 4114-630-0	38	Desired TAT: (Please Circle Cheb) 1 day 2 days 3 days Std (5 b)	Air Sample ID	1-12-511-549	7-155-511-8647				ander To	Comments:	Relin	700