



March 26, 2019

Travis Mantsch
109 N. Franklin St.
Port Washington, WI 53074

Subject: Environmental Investigation Sampling Results
BRRTS#: 02-46-548092

Dear Mr. Mantsch:

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 apartment located at 109 North Franklin Street in Port Washington, Wisconsin on March 13-14, 2019. The sampling activities are part of an environmental investigation being performed for the Harborview Cleaners facility located at 134 East Grand Avenue in Port Washington, Wisconsin at the direction of the WDNR. The chemicals of concern for the investigation are the dry cleaning solvent tetrachloroethene (PCE) and its associated breakdown products.

Sampling Results

One (1) indoor air sample designated 6348-109-IA was collected from your apartment. The results of the sample are summarized and compared to WDNR standards on the attached **Table 1**. The laboratory report that relates to the indoor air sample is also attached. As listed on the attached table, the chemicals of concern were not detected in the air sample.

The sampling results indicate that there is not currently a vapor intrusion risk in your apartment. We would like to repeat the sampling later this year to confirm these results. The next air sampling event is tentatively scheduled for August 2019.

If you have any questions or would like to discuss these results, please contact me at 262-290-4001 or by email at bkappen@enviroforensics.com. The WDNR project manager, John Feeney, can be reached at 920-893-8523. We greatly appreciate your help and patience with this matter.

Sincerely,
EnviroForensics, LLC

A handwritten signature in blue ink, appearing to read "Brian Kappen".

Brian Kappen, PG
Project Manager

Attachments: Sample Results Summary Table
Laboratory Analytical Report

Copy: John Feeney, Wisconsin Department of Natural Resources
Alphonse Uselding Jr.
Rob Thiboldeaux, Department of Health Services

TABLE 1
VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY - 109 NORTH FRANKLIN STREET

Harborview Cleaners
 134 E. Grand Avenue
 Port Washington, Wisconsin

Sample Identification	Sample Location	Sample Date	Criteria	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Residential Vapor Action Level					42	2.1	NE	NE	1.7
6348-109-IA	2nd Floor	12/2/2015	Residential	Pre	88.0	<1.07	<19.8	<39.6	<1.28
		1/13/2016		Pre	649	<1.07	<3.96	<3.96	<0.64
		5/24/2016		Post	352	<1.07	<3.96	<3.96	<0.64
		11/2/2016		Post	60.1	<1.07	<3.96	<3.96	<0.64
		8/8/2017		Post	51.0	<1.07	<19.8	<39.6	<1.28
		3/14/2019		Post	<3.19	<1.07	<19.8	<39.6	<1.28

Notes:

Results reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$)

Samples analyzed according to EPA Method TO-15

The Vapor Action Levels are calculated in accordance with WDNR Publication RR-800 and subsequent guidance documents.

Bolded values are above detection limits

Bolded and blue shaded values exceed the residential action level



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

Mr. Kyle Vander Heiden
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

March 22, 2019

EnvisionAir Project Number: 2019-197
Client Project Name: 6348

Dear Mr. Vander Heiden,

Please find the attached analytical report for the samples received March 15, 2019. 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: 6348
Client Project Manager: KYLE VANDER HEIDEN
EnvisionAir Project Number: 2019-197

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>	<i>Canister Pressure / Vacuum</i>		<u>Lab</u>
			<u>Collected:</u>	<u>Collected:</u>					<u>(in. Hg)</u>	<u>(in. Hg)</u>	
19-885	6348-109-IA	A	3/13/19	7:20	3/14/19	7:22	3/15/19	12:00	-29	-3.5	-3.5



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Client Name: ENVIROFORENSICS
Project ID: 6348
Client Project Manager: KYLE VANDER HEIDEN
EnvisionAir Project Number: 2019-197
Analytical Method: TO-15
Analytical Batch: 031519AIR
Client Sample ID: 6348-109-IA
EnvisionAir Sample Number: 19-885
Sample Matrix: AIR

Sample Collection START Date/Time: 3/13/19 7:20
Sample Collection END Date/Time: 3/14/19 7:22
Sample Received Date/Time: 3/15/19 12:00

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<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 (surrogate)	108%		
Analysis Date/Time:	3-16-19/12:11		
Analyst Initials	tjg		

TO-15 Quality Control Data

EnvisionAir Batch Number: 031519AIR

<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)	87%		
Analysis Date/Time:	3-16-19/08:45		
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	10.9	11.6	10	109%	116%	6.2%	
trans-1,2-Dichloroethene	10.6	11.2	10	106%	112%	5.5%	
cis-1,2-Dichloroethene	10.9	11.8	10	109%	118%	7.9%	
Trichloroethene	10.1	10.3	10	101%	103%	2.0%	
Tetrachloroethene	11	11	10	110%	110%	0.0%	
4-bromofluorobenzene (surrogate)	110%	112%					
Analysis Date/Time:	3-16-19/07:02	3-16-19/07:38					
Analyst Initials	tjg	tjg					



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Flag Number

Comments

CHAIN OF CUSTODY RECORD

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

Client: <u>Enviroforensics, LLC</u>	P.O. Number: <u>2019-0241</u>
Report Address: <u>N/6 W23390 Stone Ridge Dr Suite G Waukesha, WI 53188</u>	Project Name or Number: <u>6348</u>
Report To: <u>K. VanderHeiden / R. Kupper</u>	Sampled by: <u>K. V.</u>
Phone: <u>(262) 290-4001</u>	QA/QC Required: (circle if applicable) Level III <u>Level IV</u>
Invoice Address:	Reporting Units needed: (circle) <u>ug/m³</u> mg/m³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days <u>Std (5 bus. days)</u>	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)



Sampling Type:

- Soil-Gas:
- Sub-Slab:
- Indoor-Air:

www.envision-air.com

Canister Pressure / Vacuum

Air Sample ID	Media Type <small>(see code above)</small>	Coll. Date <small>(Grab/Comp Start)</small>	Coll. Time <small>(Grab/Comp Start)</small>	Coll. Date <small>(Comp. End)</small>	Coll. Time <small>(Comp. End)</small>					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
<u>6348-109-IA</u>	<u>6LC</u>	<u>3/13</u>	<u>07:20</u>	<u>3/14</u>	<u>07:22</u>		<u>X</u>			<u>10332</u>	<u>05219</u>	<u>-2.9</u>	<u>-3.5</u>	<u>-3.5</u>	<u>19-805</u>

Comments:

Relinquished by: <u>K. V.</u>	Date	Time	Received by: <u>Fed Ex</u> <u>Alex J. [Signature]</u>	Date	Time
	<u>3/14/19</u>	<u>12:00</u>		<u>3/15/19</u>	<u>1200</u>