



March 27, 2018

Kelly Koepsel
103 N. Franklin St.
Port Washington, WI 53074

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

Dear Ms. Koepsel:

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 103 North Franklin Street in Port Washington, Wisconsin on February 26-27, 2018. 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 6348-103-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, PCE was detected in the air sample at a concentration of 56.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). The concentration of PCE has decreased over time; however, the concentration is still above the residential vapor action level of $42 \mu\text{g}/\text{m}^3$ established by the WDNR.

EnviroForensics has implemented vapor mitigation actions in the basement of the building, and full-scale remediation of the Harborview Cleaners property will start in the next few months. The remedial technology that has been proposed is designed to further reduce the concentration of PCE in indoor air.

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



EnvisionAir
1441 Sadlier Circle West Drive
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www.envision-air.com

Mr. Brian Kappen
Enviroforensics
N16 W. 23390 Stone Ridge Dr
Suite G
Waukesha, WI 53188

March 13, 2018

EnvisionAir Project Number: 2018-136
Client Project Name: 6348

Dear Mr. Kappen,

Please find the attached analytical report for the samples received March 1, 2018. 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 cursive script 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: BRIAN KAPPEN
EnvisionAir Project Number: 2018-136

Sample Summary

Canister Pressure / Vacuum

<u>Laboratory Sample Number:</u>	<u>Sample Description:</u>	<u>START</u> <u>Date</u>	<u>START</u> <u>Time</u>	<u>End Date</u>	<u>End Time</u>	<u>Date</u>	<u>Time</u>	<u>Initial Field</u> <u>(in. Hg)</u>	<u>Final Field</u> <u>(in. Hg)</u>	<u>Lab</u> <u>Received</u> <u>(in. Hg)</u>	
18-608	6348-103-1A	A	2/26/18	7:45	2/27/18	7:50	3/1/18	10:35	-29	-4	-4



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Client Name: ENVIROFORENSICS

Project ID: 6348

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2018-136

Analytical Method: TO-15
Analytical Batch: 030818AIR

Client Sample ID: 6348-103-IA

Sample Collection START Date/Time: 2/26/18 7:45
Sample Collection END Date/Time: 2/27/18 7:50
Sample Received Date/Time: 3/1/18 10:35

Envision Sample Number: 18-608
Sample Matrix: AIR

<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	56.5	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	115%		
Analysis Date/Time:	3-8-18/23:00		
Analyst Initials	tjg		



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Analytical Report

TO-15 Quality Control Data

EnvisionAir Batch Number: 030818AIR

<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)	104%		
Analysis Date/Time:	3-8-18/12:12		
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	10.4	10.1	10	104%	101%	2.9%	
trans-1,2-Dichloroethene	10.1	9.13	10	101%	91%	10.1%	
cis-1,2-Dichloroethene	9.47	8.75	10	95%	88%	7.9%	
Trichloroethene	9.14	9.33	10	91%	93%	2.1%	
Tetrachloroethene	8.18	8.47	10	82%	85%	3.5%	
4-bromofluorobenzene (surrogate)	107%	107%					
Analysis Date/Time:	3-8-18/10:57	3-8-18/11:38					
Analyst Initials	tjg	tjg					



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Flag Number

Comments

BJR

CHAIN OF CUSTODY RECORD

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

Client: <u>EnviroForensics LLC</u>	P.O. Number: <u>2018-0174</u>
Report Address: <u>W 4 W2390 Stone Ridge Dr - Suite G Waukegan, IL 60087</u>	Project Name or Number: <u>6348</u>
Report To: <u>3 happen / A Vanderkade</u>	Sampled by: <u>KU</u>
Phone: <u>(262) 290-4001</u>	QA/QC Required: (circle if applicable) Level III <input type="checkbox"/> Level IV <input checked="" type="checkbox"/>
Invoice Address: _____	Reporting Units needed: (circle) <u>ug/m³</u> mg/m ³ PPBV PPMV
Desired TAT: (Please Circle One) <u>1 day</u> 2 days 3 days <u>Std (5 bus. days)</u>	Media type: <input type="checkbox"/> 1L Canister <input type="checkbox"/> 6L Canister <input type="checkbox"/> Tedlar Bag <input type="checkbox"/> Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List



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

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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
6348-103-2A	6LC	2/26	0945	2/27	0950				16033 16073	04144	-29	-4	-4	18-608

Comments: _____

Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	<u>2/27/18</u>	<u>1705</u>	<u>FedEx</u>	<u>3/1/18</u>	<u>1035</u>
			<u>Alan Hernandez</u>		