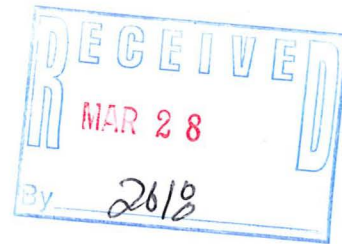




March 27, 2018

Alphonse Jr. and Margaret Uselding  
1756 North Holden Street  
Port Washington, WI 53074



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

Dear Mr. Uselding:

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 105-107 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.

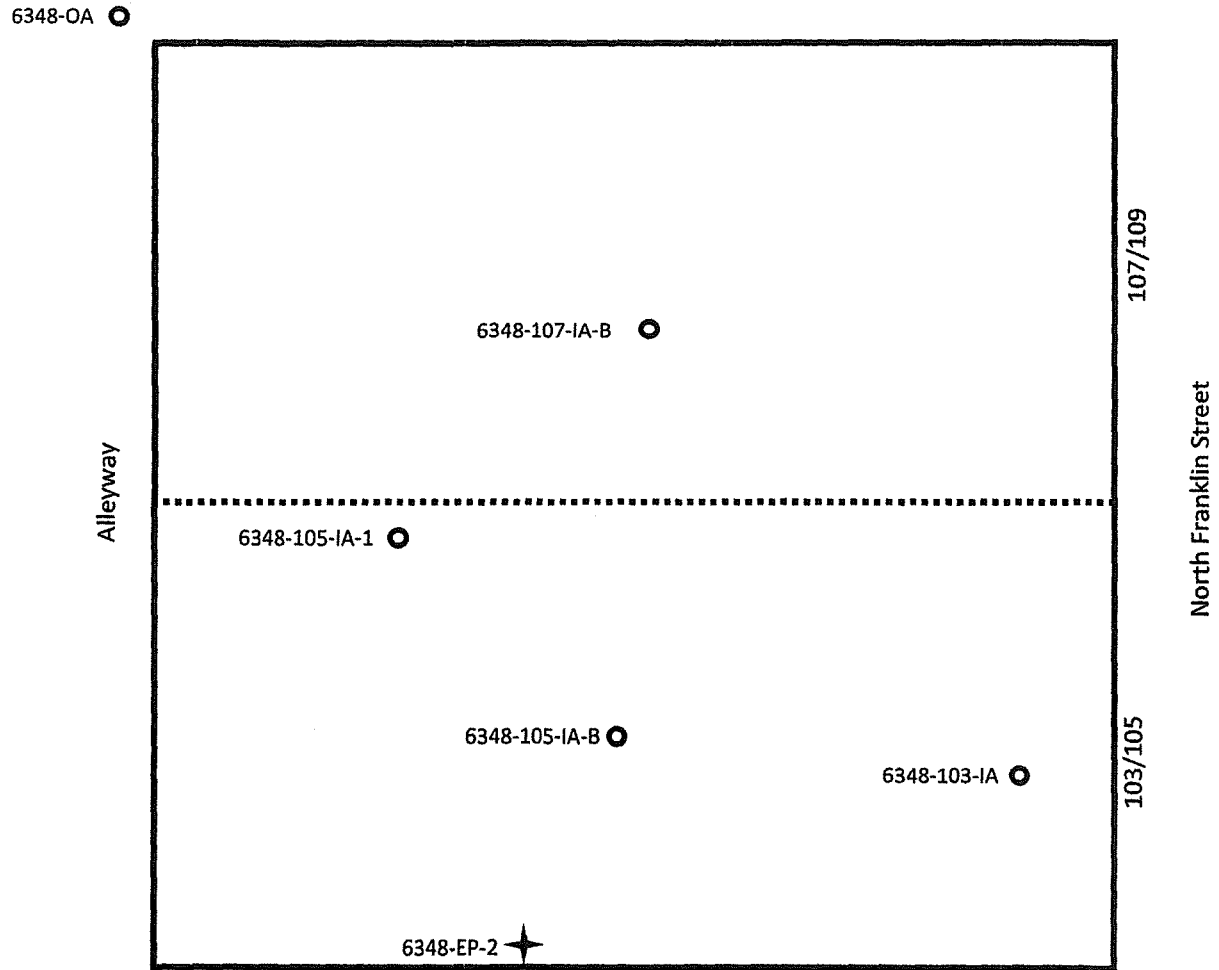
### Sampling Results

Three (3) indoor air samples were collected from your property located at 105-107 North Franklin Street. One (1) outdoor air sample was also collected for quality control purposes. The sample locations are shown on the attached figure. One soil gas sample was collected to determine the concentrations of the chemicals of concern emitted in the sub-slab depressurization system (SSDS) exhaust. The results of the samples are summarized and compared to WDNR standards on the attached **Table 1**. The laboratory reports that relate to the samples are also attached.

As listed on the attached table, PCE was detected in basement sample 6348-105-IA-B at a concentration of 324 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) which is above the WDNR's vapor action level for small commercial buildings of  $180 \mu\text{g}/\text{m}^3$ . PCE was also detected in basement sample 6348-107-IA-B and first floor sample 6348-105-IA-1 at concentrations of  $13.5 \mu\text{g}/\text{m}^3$  and  $53.0 \mu\text{g}/\text{m}^3$  respectively, which are below the WDNR's small commercial vapor action level. The chemicals of concern were not detected in the outdoor air sample.

Soil gas sample 6348-EP-2 contained PCE at a concentration of  $120 \mu\text{g}/\text{m}^3$ . This result demonstrates that the sub-slab depressurization system is capturing sub-slab vapor as intended.

VAPOR INTRUSION SAMPLE LOCATIONS  
103 through 109 N. Franklin Street, Port Washington, Wisconsin



**Legend**

○ Indoor/Outdoor Air Sample

★ Sub-Slab Vapor Sample

IA-B = Basement

IA-1 = 1<sup>st</sup> Floor

IA = 2<sup>nd</sup> Floor



**TABLE 1**  
**VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY - 105-107 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
<b>INDOOR/OUTDOOR AIR</b>									
<b>Small Commercial Vapor Action Level</b>					<b>180</b>	<b>8.8</b>	<b>NE</b>	<b>NE</b>	<b>28</b>
		1/13/2016		Pre	4.75	<1.07	<3.96	<3.96	<0.64
		5/24/2016		Post	6.97	<1.07	<3.96	<3.96	<0.64



**EnvisionAir**  
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[www.envision-air.com](http://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: 2018-135  
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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 Indianapolis, IN 46239  
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 Fax: 317-351-0882  
 www.envision-air.com

**Client Name:** ENVIROFORENSICS  
**Project ID:** 6348  
**Client Project Manager:** BRIAN KAPPEN  
**EnvisionAir Project Number:** 2018-135

**Sample Summary**

*Canister Pressure / Vacuum*

<u>Laboratory Sample Number:</u>	<u>Sample Description:</u>	<u>Matrix:</u>	<u>START</u>		<u>START</u>		<u>Date</u>	<u>Time</u>	<u>Initial Field</u>	<u>Final Field</u>	<u>Lab</u>
			<u>Date</u>	<u>Time</u>	<u>End Date</u>	<u>End Time</u>					
18-604	6348-OA-1	A	2/26/18	7:35	2/27/18	7:45	3/1/18	10:35	-29	0	0
18-605	6348-105-IA-B	A	2/26/18	8:15	2/27/18	8:40	3/1/18	10:35	-29	-5	-5
18-606	6348-107-IA-B	A	2/26/18	8:10	2/27/18	8:33	3/1/18	10:35	-29	-3	-3
18-607	6348-105-IA-1	A	2/26/18	8:13	2/27/18	8:35	3/1/18	10:35	-29	-1	-1



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**Client Name:** ENVIROFORENSICS

**Project ID:** 6348

**Client Project Manager:** BRIAN KAPPEN

**EnvisionAir Project Number:** 2018-135

**Analytical Method:** TO-15  
**Analytical Batch:** 030818AIR

**Client Sample ID:** 6348-OA-1

**Envision Sample Number:** 18-604  
**Sample Matrix:** AIR

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

<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	< 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)	109%		
Analysis Date/Time:	3-8-18/15:52		
Analyst Initials	tjg		



**EnvisionAir**  
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**Client Name:** ENVIROFORENSICS

**Project ID:** 6348

**Client Project Manager:** BRIAN KAPPEN

**EnvisionAir Project Number:** 2018-135

**Analytical Method:** TO-15  
**Analytical Batch:** 030818AIR

**Client Sample ID:** 6348-105-IA-B

**Sample Collection START Date/Time:** 2/26/18 8:15

**Sample Collection END Date/Time:** 2/27/18 8:40

**Envision Sample Number:** 18-605

**Sample Received Date/Time:** 3/1/18 10:35

**Sample Matrix:** AIR

<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>324</b>	31.9	1
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	117%		
Analysis Date/Time:	3-8-18/21:06		
Analyst Initials	tjg		



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Client Name: ENVIROFORENSICS

Project ID: 6348

Client Project Manager: BRIAN KAPPEN

EnvisionAir Project Number: 2018-135

Analytical Method: TO-15  
Analytical Batch: 030818AIR

Client Sample ID: 6348-107-IA-B

Sample Collection START Date/Time: 2/26/18 8:10

Sample Collection END Date/Time: 2/27/18 8:33

Envision Sample Number: 18-606

Sample Received Date/Time: 3/1/18 10:35

Sample Matrix: AIR

<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>13.5</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)	109%		
Analysis Date/Time:	3-8-18/21:44		
Analyst Initials	tjg		





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**Client Name:** ENVIROFORENSICS

**Project ID:** 6348

**Client Project Manager:** BRIAN KAPPEN

**EnvisionAir Project Number:** 2018-135

**Analytical Method:** TO-15  
**Analytical Batch:** 030818AIR

**Client Sample ID:** 6348-105-IA-1

**Sample Collection START Date/Time:** 2/26/18 8:13

**Sample Collection END Date/Time:** 2/27/18 8:35

**Envision Sample Number:** 18-607

**Sample Received Date/Time:** 3/1/18 10:35

**Sample Matrix:** AIR

<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>53.0</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)	109%		
Analysis Date/Time:	3-8-18/22:22		
Analyst Initials	tjg		



**EnvisionAir**  
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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**

1

**Comments**

Reported value is from a 10x dilution. DAE 3/12/18

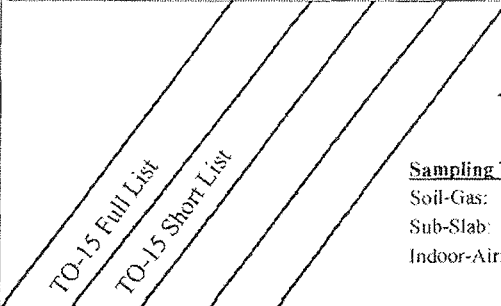
BT

# CHAIN OF CUSTODY RECORD

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

Client: <u>EnvisionAir LLC</u>	P.O. Number: <u>2018-0174</u>
Report Address: <u>NIC W23300 Stone Ridge Dr S.H.S. B Wilmington, NJ 08188</u>	Project Name or Number: <u>6348</u>
Report To: <u>B Kasper / K Vonderhage</u>	Sampled by: <u>KV</u>
Phone: <u>(202) 290-4001</u>	QA/QC Required: (circle if applicable) Level III <u>Level IV</u>
Invoice Address:	Reporting Units needed: (circle) <u>ug/m<sup>3</sup></u> mg/m <sup>3</sup> PPBV PPMV
Desired TAT: (Please Circle One) <u>1 day</u> 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



**Sampling Type:**

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

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*Canister Pressure / Vacuum*

Air Sample ID	Media Type <small>(see code sheet)</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
6348-0A-1	6LC	2/26	0735	2/27	0745		X			11073	07461	-29	0	Ø	18-604
6348-105-IA-B	6LC	2/26	0815	2/27	0840		X			14123	07624	-29	-5	-5	18-605
6348-107-IA-B	6LC	2/26	0810	2/27	0833		X			11069	07617	-29	-3	-3	18-606
6348-105-IA-1	6LC	2/26	0813	2/27	0835		X			15563	07312	-29	-1	-1	18-607

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	<u>2/27/18</u>	<u>1700</u>	<u>FedEx</u> <u>[Signature]</u>	<u>2/1/18</u>	<u>1035</u>



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

March 18, 2018

EnvisionAir Project Number: 2018-137  
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



**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: 6348  
 Client Project Manager: BRIAN KAPPEN  
 EnvisionAir Project Number: 2018-137

**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>	
18-609	6348-EP-2	A	2/27/18	9:16	2/27/18	9:21	3/1/18	10:35	-28	-2	-2



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

**Client Name:** ENVIROFORENSICS

**Project ID:** 6348

**Client Project Manager:** BRIAN KAPPEN

**EnvisionAir Project Number:** 2018-137

**Analytical Method:** TO-15  
**Analytical Batch:** 031418AIR

**Client Sample ID:** 6348-EP-2

**Sample Collection START Date/Time:** 2/27/18 9:16

**Sample Collection END Date/Time:** 2/27/18 9:21

**Sample Received Date/Time:** 3/1/18 10:35

**Envision Sample Number:** 18-609

**Sample Matrix:** AIR

<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	< 198	198	
Tetrachloroethene	<b>120</b>	31.9	
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	117%		
Analysis Date/Time:	3-15-18/17:50		
Analyst Initials	tjg		



**EnvisionAir**  
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 Fax: 317-351-0882  
 www.envision-air.com

Analytical Report

**TO-15 Quality Control Data**

EnvisionAir Batch Number: 031418AIR

<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:	3-15-18/15:17		
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	9.91	10	106%	99%	6.7%	
trans-1,2-Dichloroethene	10.2	9.94	10	102%	99%	2.6%	
cis-1,2-Dichloroethene	9.67	9.24	10	97%	92%	4.5%	
Trichloroethene	9.0	9.99	10	90%	100%	10.8%	
Tetrachloroethene	8.25	8.55	10	83%	86%	3.6%	
4-bromofluorobenzene (surrogate)	112%	113%					
Analysis Date/Time:	3-15-18/12:48	3-15-18/15:59					
Analyst Initials	tjg	tjg					





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**Flag Number**

**Comments**

BJK

# 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>2018-0174</u>
Report Address: <u>NW W 23390 Stone Ridge Dr, Suite G, Warsaw, IN 46788</u>	Project Name or Number: <u>6348</u>
Report To: <u>B Keppen / K VanderHart</u>	Sampled by: <u>KV</u>
Phone: <u>(262) 290-4001</u>	QA/QC Required: (circle if applicable) Level III    Level IV
Invoice Address: _____	Reporting Units needed: (circle) <u>ug/m<sup>3</sup></u> mg/m <sup>3</sup> 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



**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-EP-2	1LC	2/27	0916	2/27	0921					84052	0066	-28	-2	-2	18-609

Comments: \_\_\_\_\_

Relinquished by:	Date	Time	Received by:	Date	Time
<i>[Signature]</i>	2/27/18	1930	FedEx	3/1/18	1035
			<i>[Signature]</i>		



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](mailto:bkappen@enviroforensics.com) and [rhoverman@enviroforensics.com](mailto:rhoverman@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.



**EnvisionAir**  
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Indianapolis, IN 46239  
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Fax: 317-351-0882  
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



**EnvisionAir**  
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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/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>56.5</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)	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</u>	<u>LCS</u>	<u>LCSD</u>	<u>Conc(ppbv)</u>	<u>Rec.</u>	<u>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**



## 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 60088</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/m<sup>3</sup></u> mg/m <sup>3</sup> PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days <u>Std (5 bus. days)</u>	Media type: <small>1LC = 1 Liter Canister 6LC = 6 Liter Canister TB = Tedlar Bag TD = Thermal Desorption Tube</small>

**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
<u>6348-103-2A</u>	<u>6LC</u>	<u>2/26</u>	<u>0945</u>	<u>2/27</u>	<u>0950</u>					<u>16033</u> <del>16073</del>	<u>04144</u>	<u>-29</u>	<u>-4</u>	<u>-4</u>	<u>18-608</u>

Comments: \_\_\_\_\_

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