



September 9, 2020

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 August 24-25, 2020. 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 (1) outdoor air sample was also collected for quality control purposes. Three (3) sub-slab vapor samples were also collected to determine the current concentrations of the chemicals of concern in vapor following remediation at the Harborview Cleaners site. The sample locations are shown on the attached figure. The results of the samples are summarized and compared to WDNR standards on the attached **Table 1**. The laboratory report that relates to the samples are also attached.

As listed on the attached table, PCE was detected in basement samples 6348-105-IA-B and 6348-107-IA-B at concentrations of 23.3 and 16.5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), respectively, and in first floor air sample 6348-105-IA-1 at a concentration of $44.8 \mu\text{g}/\text{m}^3$. These PCE concentrations are *well below* the WDNR's vapor action level (VAL) for small commercial buildings of $180 \mu\text{g}/\text{m}^3$. No other chemicals of concern were detected in the indoor air samples.

Document: 6348-0976

Sub-slab vapor samples 6348-105-SS-1, SS-2, and SS-3, which were collected from sampling ports in the portion of the basement nearest to Harborview Cleaners, each contained PCE at concentrations ranging from 98.3 to 199 $\mu\text{g}/\text{m}^3$. These PCE concentrations are *well below* the WDNR's vapor risk screening level (VRSL) for small commercial buildings of 6,000 $\mu\text{g}/\text{m}^3$. No other chemicals of concern were detected in the sub-slab vapor samples.

The concentrations of PCE in air samples have been below the VAL for several consecutive sampling events, and the concentrations of PCE in sub-slab vapor are well below both the commercial and residential screening levels. These results demonstrate that remediation at the Harborview Cleaners property has eliminated the vapor intrusion risk in your building.

No further air sampling is planned. If the WDNR requests additional sample(s), I will contact you to schedule the work. If you have any questions or would like us to discuss these results with you, 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

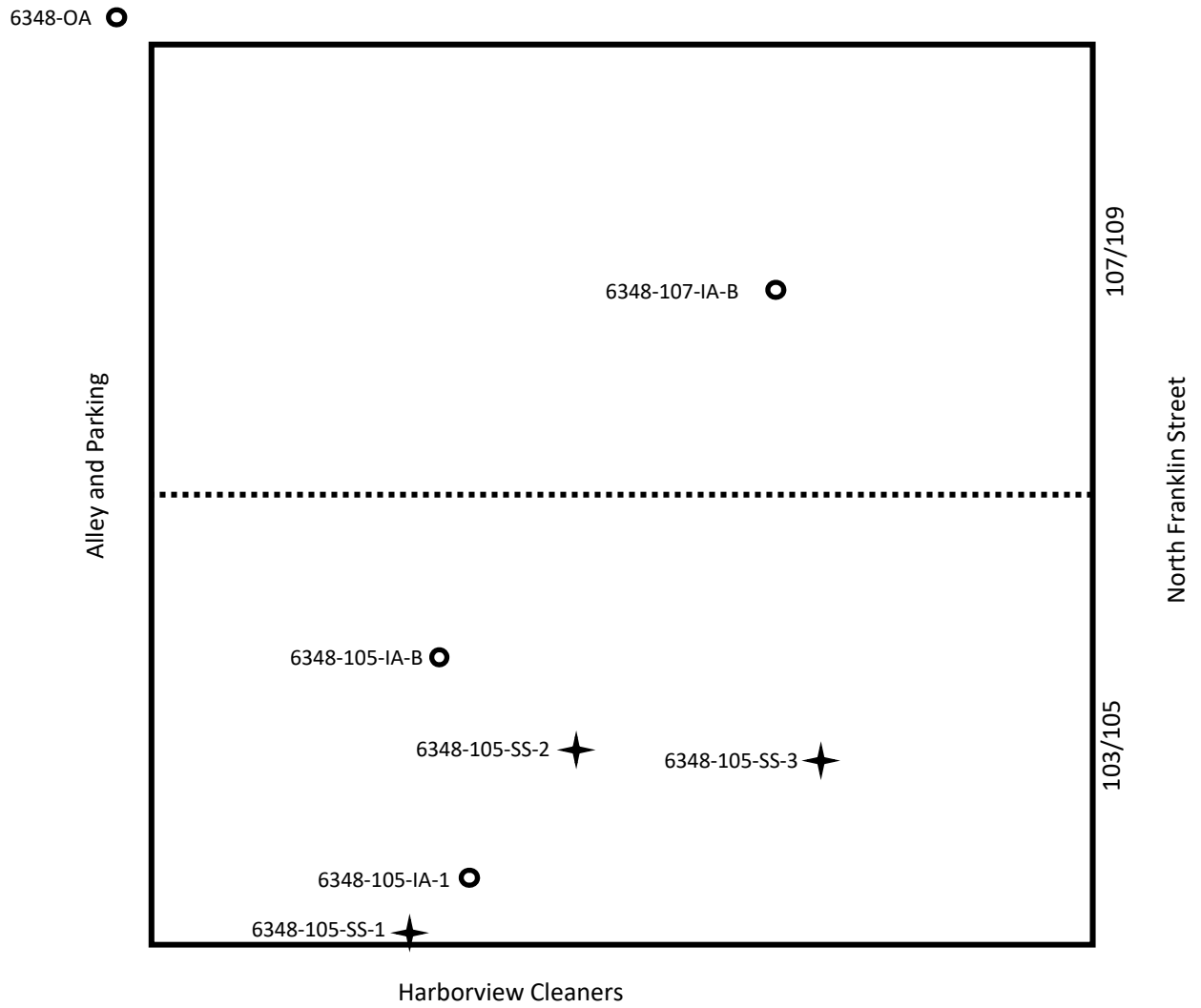


Brian Kappen, PG
Project Manager

Attachments: Vapor Intrusion Sample Locations Figure
Sample Results Summary Table
Laboratory Analytical Report

Copy: John Feeney, Wisconsin Department of Natural Resources

VAPOR INTRUSION SAMPLE LOCATIONS
105 through 107 N. Franklin Street, Port Washington, Wisconsin



Legend

○ Indoor/Outdoor Air Sample

★ Sub-Slab Vapor Sample

IA-B = Basement

IA-1 = 1st 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	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
INDOOR/OUTDOOR AIR								
Small Commercial Vapor Action Level				180	8.8	NE	NE	28
6348-OA	Outdoor	12/2/2015	Pre	5.22	<1.07	<19.8	<39.6	<1.28
		1/13/2016	Pre	4.75	<1.07	<3.96	<3.96	<0.64
		5/24/2016	Post	6.92	<1.07	<3.96	<3.96	<0.64
		11/2/2016	Post	16.90	<1.07	<3.96	<3.96	<0.64
		8/8/2017	Post	<3.19	<1.07	<19.8	<39.6	<1.28
		2/27/2018	Post	<3.19	<1.07	<19.8	<39.6	<1.28
		2/15/2019	Post	<3.19	<1.07	<19.8	<39.6	<1.28
		9/26/2019	Post	<3.19	<1.07	<19.8	<39.6	<1.28
		2/18/2020	Post	<3.19	<1.07	<19.8	<39.6	<1.28
8/25/2020	Post **	<3.19	<1.07	<19.8	<39.6	<1.28		
6348-105-IA-B	Basement	12/2/2015	Pre	852	<1.07	<19.8	<39.6	<1.28
		1/13/2016	Pre	1,130	<1.07	<3.96	<3.96	<0.64
		5/24/2016	Post	4,260	<1.07	<3.96	<3.96	<0.64
		11/2/2016	Post	402	<1.07	<3.96	<3.96	<0.64
		8/8/2017	Post	303	<1.07	<19.8	<39.6	<1.28
		2/27/2018	Post	324	<1.07	<19.8	<39.6	<1.28
		2/15/2019	Post	41.8	<1.07	<19.8	<39.6	<1.28
		9/26/2019	Post	30.4	<1.07	<19.8	<39.6	<1.28
		2/18/2020	Post	36.4	<1.07	<19.8	<39.6	<1.28
8/25/2020	Post **	23.3	<1.07	<19.8	<39.6	<1.28		
6348-107-IA-B	Basement	12/2/2015	Pre	265	<1.07	<19.8	<39.6	<1.28
		1/13/2016	Pre	504	<1.07	<3.96	<3.96	<0.64
		5/24/2016	Post	1,420	<1.07	<3.96	<3.96	<0.64
		11/2/2016	Post	188	<1.07	<3.96	<3.96	<0.64
		8/8/2017	Post	165	<1.07	<19.8	<39.6	<1.28
		2/27/2018	Post	13.5	<1.07	<19.8	<39.6	<1.28
		2/15/2019	Post	9.09	<1.07	<19.8	<39.6	<1.28
		9/26/2019	Post	6.85	<1.07	<19.8	<39.6	<1.28
		2/18/2020	Post	10.5	<1.07	<19.8	<39.6	<1.28
8/25/2020	Post **	16.5	<1.07	<19.8	<39.6	<1.28		
6348-105/107-IA-1	1st Floor	12/2/2015	Pre	199	<1.07	<19.8	<39.6	<1.28
6348-105-IA-1	1st Floor	1/13/2016	Pre	296	<1.07	<3.96	<3.96	<0.64
		5/24/2016	Post	1,480	<1.07	<3.96	<3.96	<0.64
		11/2/2016	Post	277	<1.07	<3.96	<3.96	<0.64
		8/8/2017	Post	132	<1.07	<19.8	<39.6	<1.28
		2/27/2018	Post	53.0	<1.07	<19.8	<39.6	<1.28
		2/15/2019	Post	13.2	<1.07	<19.8	<39.6	<1.28
		9/26/2019	Post	13.9	<1.07	<19.8	<39.6	<1.28
		8/25/2020	Post **	44.8	<1.07	<19.8	<39.6	<1.28
6348-107-IA-1	1st Floor	1/13/2016	Pre	178	<1.07	<3.96	<3.96	<0.64
SUB-SLAB VAPOR								
Small Commercial Vapor Risk Screening Level				6,000	293	NE	NE	933
6348-107-SSV-1	Basement	12/3/2015	Pre	142	<10.7	<198	<396	<12.8
		1/13/2016	Pre	326	<10.7	<39.6	<39.6	<6.4
6348-EP-2	Basement (SSDS Effluent)	11/2/2016	Post	4,480	107	<39.6	<39.6	<6.4
		8/8/2017	Post	317	146	<198	<396	<12.8
		2/27/2018	Post	120	<10.7	<198	<396	<12.8
		2/15/2019	Post	52.9	317	<198	<396	<12.8
		9/26/2019	Post	158	<10.7	<198	<396	<12.8
		2/18/2020	Post	2,070	69.3	<198	<396	<12.8
6348-105-SS-1	Basement	8/25/2020	Post **	199	<10.7	<198	<396	<12.8
6348-105-SS-2	Basement	8/25/2020	Post **	98.3	<10.7	<198	<396	<12.8
6348-105-SS-3	Basement	8/25/2020	Post **	104	<10.7	<198	<396	<12.8

Notes:

** = SSDS shut down three weeks prior to sample collection

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

Samples analyzed according to EPA Method TO-15

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

NE = Screening/action level not established

SSDS = sub-slab depressurization system

Bolded values are above detection limits

Bolded and orange shaded values exceed the applicable screening or action level for small commercial buildings



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

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

September 3, 2020

EnvisionAir Project Number: 2020-483
Client Project Name: 6348 Harborview Cleaners

Dear Mr. Kappen,

Please find the attached analytical report for the samples received August 27, 2020. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

A handwritten signature in black ink 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 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

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>	<u>Canister Pressure / Vacuum</u>		<u>Lab</u>
			<u>Date</u>	<u>Time</u>					<u>Initial Field</u>	<u>Final Field</u>	
			<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Received:</u>	<u>Received</u>	<u>(in. Hg)</u>	<u>(in. Hg)</u>	<u>(in. Hg)</u>
20-2245	6348-OA	A	8/24/20	10:23	8/25/20	10:10	8/27/20	15:00	-29	-5	-5
20-2246	6348-105-IA-B	A	8/24/20	10:35	8/25/20	10:30	8/27/20	15:00	-29	-4	-4
20-2247	6348-107-IA-B	A	8/24/20	10:43	8/25/20	11:30	8/27/20	15:00	-30	-9	-9
20-2248	6348-105-IA-1	A	8/24/20	10:52	8/25/20	10:28	8/27/20	15:00	-29	0	0
20-2249	6348-105-SS-1	A	8/25/20	10:57			8/27/20	15:00	-28	-3	-3
20-2250	6348-105-SS-2	A	8/25/20	11:11			8/27/20	15:00	-30	-6	-6
20-2251	6348-105-SS-3	A	8/25/20	11:22			8/27/20	15:00	-29	-3	-3



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083020AIR

Client Sample ID: 6348-OA **Sample Collection START Date/Time:** 8/24/20 10:23
EnvisionAir Sample Number: 20-2245 **Sample Collection END Date/Time:** 8/25/20 10:10
Sample Matrix: AIR **Sample Received Date/Time:** 8/27/20 15:00

<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)	106%		
Analysis Date/Time:	8-30-20/15:33		
Analyst Initials	tjg		



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083020AIR

Client Sample ID: 6348-105-IA-B
EnvisionAir Sample Number: 20-2246
Sample Matrix: AIR

Sample Collection START Date/Time: 8/24/20 10:35
Sample Collection END Date/Time: 8/25/20 10:30
Sample Received Date/Time: 8/27/20 15:00

<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	23.3	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	97%		
Analysis Date/Time:	8-30-20/16:56		
Analyst Initials	tjg		



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083020AIR

Client Sample ID: 6348-107-IA-B
EnvisionAir Sample Number: 20-2247
Sample Matrix: AIR

Sample Collection START Date/Time: 8/24/20 10:43
Sample Collection END Date/Time: 8/25/20 11:30
Sample Received Date/Time: 8/27/20 15:00

<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	16.5	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	93%		
Analysis Date/Time:	8-30-20/17:40		
Analyst Initials	tjg		



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083020AIR

Client Sample ID: 6348-105-IA-1 **Sample Collection START Date/Time:** 8/24/20 10:52
EnvisionAir Sample Number: 20-2248 **Sample Collection END Date/Time:** 8/25/20 10:28
Sample Matrix: AIR **Sample Received Date/Time:** 8/27/20 15:00

<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	44.8	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	99%		
Analysis Date/Time:	8-30-20/18:22		
Analyst Initials	tjg		



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083120AIR

Client Sample ID: 6348-105-SS-1 **Sample Collection START Date/Time:** 8/25/20 10:57
EnvisionAir Sample Number: 20-2249 **Sample Collection END Date/Time:**
Sample Matrix: AIR **Sample Received Date/Time:** 8/27/20 15:00

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	199	31.9	
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	91%		
Analysis Date/Time:	9-1-20/03:32		
Analyst Initials	tjg		



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083120AIR

Client Sample ID: 6348-105-SS-2 **Sample Collection START Date/Time:** 8/25/20 11:11
EnvisionAir Sample Number: 20-2250 **Sample Collection END Date/Time:**
Sample Matrix: AIR **Sample Received Date/Time:** 8/27/20 15:00

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	98.3	31.9	
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	90%		
Analysis Date/Time:	9-1-20/04:32		
Analyst Initials	tjg		



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-483

Analytical Method: TO-15
Analytical Batch: 083120AIR

Client Sample ID: 6348-105-SS-3 **Sample Collection START Date/Time:** 8/25/20 11:22
EnvisionAir Sample Number: 20-2251 **Sample Collection END Date/Time:**
Sample Matrix: AIR **Sample Received Date/Time:** 8/27/20 15:00

<u>Compounds</u>	<u>Sample Results ug/m³</u>	<u>Reporting Limit ug/m³</u>	<u>Flag</u>
cis-1,2-Dichloroethene	< 198	198	
Tetrachloroethene	104	31.9	
trans-1,2-Dichloroethene	< 396	396	
Trichloroethene	< 10.7	10.7	
Vinyl Chloride	< 12.8	12.8	
4-bromofluorobenzene (surrogate)	91%		
Analysis Date/Time:	9-1-20/05:12		
Analyst Initials	tjg		

TO-15 Quality Control Data

EnvisionAir Batch Number: 083020AIR

<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)	93%		
Analysis Date/Time:	8-30-20/13:30		
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	9.16	9.34	10	92%	93%	1.9%	
trans-1,2-Dichloroethene	11	11	10	110%	110%	0.0%	
cis-1,2-Dichloroethene	9.99	9.85	10	100%	99%	1.4%	
Trichloroethene	9.69	9.27	10	97%	93%	4.4%	
Tetrachloroethene	10.9	10	10	109%	100%	8.6%	
4-bromofluorobenzene (surrogate)	108%	100%					
Analysis Date/Time:	8-30-20/11:18	8-30-20/12:06					
Analyst Initials	tjg	tjg					

TO-15 Quality Control Data

EnvisionAir Batch Number: 083120AIR

<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)	93%		
Analysis Date/Time:	8-31-20/20:48		
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	9.28	8.54	10	93%	85%	8.3%	
trans-1,2-Dichloroethene	10.5	10.1	10	105%	101%	3.9%	
cis-1,2-Dichloroethene	10.2	10.9	10	102%	109%	6.6%	
Trichloroethene	9.98	9.91	10	100%	99%	0.7%	
Tetrachloroethene	8.66	9.07	10	87%	91%	4.6%	
4-bromofluorobenzene (surrogate)	96%	102%					
Analysis Date/Time:	8-31-20/18:35	8-31-20/19:22					
Analyst Initials	tjg	tjg					



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

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</u>	P.O. Number: <u>2020-1856</u>
Report Address: <u>bKappen@enviroforensics.com</u>	Project Name or Number: <u>6348 Harborview Chms</u>
Report To: <u>B. Kappen</u>	Sampled by: <u>B. Kappen</u>
Phone: <u>262-745-5054</u>	QA/QC Required: (circle if applicable) Level III <u>Level IV</u>
Invoice Address: <u>accountspayable@enviroforensics.com</u>	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: 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
6348-0A	6LC	8/24/20	1023	8/25/20	1010	X			17901	02223	-29	-5	-5	20-2245
6348-105-IA-B	6LC	8/24/20	1035	8/25/20	1030	X			91570	07750	-29	-4	-4	20-2246
6348-107-IA-B	6LC	8/24/20	1043	8/25/20	1130	X			4667	07618	-30	-9	-9	20-2247
6348-105-IA-1	6LC	8/24/20	1052	8/25/20	1028	X			19626	04657	-29	0	∅	20-2248
6348-105-SS-1	1LC	8/25/20	1057			X			84053	0130	-28	-3	-3	20-2249
6348-105-SS-2	1LC	8/25/20	1111			X			2235	0115	-30	-6	-6	20-2250
6348-105-SS-3	1LC	8/25/20	1122			X			83722	0071	-29	-3	-3	20-2251

Comments: Level IV QA/QC on 6LC only

Relinquished by:	Date	Time	Received by:	Date	Time
<u>B. Kappen</u>	<u>8/26/20</u>	<u>1200</u>	<u>FedEx</u>	<u>8/27/20</u>	<u>1500</u>
			<u>Alan Hummer</u>		



September 9, 2020

Denise Snook
103 N. Franklin St.
Port Washington, WI 53074

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

Dear Ms. Snook:

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 August 24-25, 2020. 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 7.39 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), which is *well below* the vapor action level established by WDNR for residential settings of $42 \mu\text{g}/\text{m}^3$. No other chemicals of concern were detected in the air sample.

No further air sampling is planned. If the WDNR requests additional sample(s), I will contact you to schedule the work. 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., Property Owner

TABLE 1
VAPOR INTRUSION ASSESSMENT RESULTS SUMMARY - 103 NORTH FRANKLIN STREET

Harborview Cleaners
 134 E. Grand Avenue
 Port Washington, Wisconsin

Sample Identification	Sample Location	Sample Date	Mitigation	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Residential Vapor Action Level				42	2.1	NE	NE	1.7
6348-103-IA	2nd Floor	12/2/2015	Pre	288	<1.07	<19.8	<39.6	<1.28
		1/13/2016	Pre	849	<1.07	<3.96	<3.96	<0.64
		5/24/2016	Post	100	<1.07	<3.96	<3.96	<0.64
		11/2/2016	Post	217	<1.07	<3.96	<3.96	<0.64
		8/8/2017	Post	101	<1.07	<19.8	<39.6	<1.28
		2/27/2018	Post	56.5	<1.07	<19.8	<39.6	<1.28
		2/18/2020	Post	14.0	<1.07	<19.8	<39.6	<1.28
		8/25/2020	Post **	7.39	<1.07	<19.8	<39.6	<1.28

Notes:

** = Vapor mitigation system shut down three weeks prior to sample collection

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

NE = Not Established

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

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

September 3, 2020

EnvisionAir Project Number: 2020-484
Client Project Name: 6348 Harborview Cleaners

Dear Mr. Kappen,

Please find the attached analytical report for the samples received August 27, 2020. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

A handwritten signature in black ink 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 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-484

Sample Summary

Canister Pressure / Vacuum

<u>Laboratory Sample Number:</u>	<u>Sample Description:</u>	<u>START</u>		<u>START</u>		<u>End Date</u>		<u>End Time</u>		<u>Date</u>		<u>Time</u>		<u>Initial Field</u>		<u>Final Field</u>		<u>Lab</u>
		<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Collected:</u>	<u>Received:</u>	<u>Received:</u>	<u>(in. Hg)</u>	<u>(in. Hg)</u>	<u>(in. Hg)</u>	<u>(in. Hg)</u>	<u>Received</u>		
20-2252	6348-103-IA	A	8/24/20	10:01	8/25/20	10:01	8/27/20	15:00	-29	-4	-4							



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-484

Analytical Method: TO-15
Analytical Batch: 083020AIR

Client Sample ID: 6348-103-IA
EnvisionAir Sample Number: 20-2252
Sample Matrix: AIR

Sample Collection START Date/Time: 8/24/20 10:01
Sample Collection END Date/Time: 8/25/20 10:01
Sample Received Date/Time: 8/27/20 15:00

<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	7.39	3.19	
trans-1,2-Dichloroethene	< 39.6	39.6	
Trichloroethene	< 1.07	1.07	
Vinyl Chloride	< 1.28	1.28	
4-bromofluorobenzene (surrogate)	102%		
Analysis Date/Time:	8-30-20/19:05		
Analyst Initials	tjg		

TO-15 Quality Control Data

EnvisionAir Batch Number: 083020AIR

<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)	93%		
Analysis Date/Time:	8-30-20/13:30		
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	9.16	9.34	10	92%	93%	1.9%	
trans-1,2-Dichloroethene	11	11	10	110%	110%	0.0%	
cis-1,2-Dichloroethene	9.99	9.85	10	100%	99%	1.4%	
Trichloroethene	9.69	9.27	10	97%	93%	4.4%	
Tetrachloroethene	10.9	10	10	109%	100%	8.6%	
4-bromofluorobenzene (surrogate)	108%	100%					
Analysis Date/Time:	8-30-20/11:18	8-30-20/12:06					
Analyst Initials	tjg	tjg					



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

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</u>	P.O. Number: <u>2020-1856</u>
Report Address: <u>bkappen@enviroforensics.com</u>	Project Name or Number: <u>6348 Harborview Cleaners</u>
Report To: <u>B. Kappen</u>	Sampled by: <u>B. Kappen</u>
Phone: <u>262-745-5054</u>	QA/QC Required: (circle if applicable) Level III <u>Level IV</u>
Invoice Address: <u>accounts payable @enviroforensics.com</u>	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: 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>6348-103-IA</u>	<u>6LC</u>	<u>8/24/20</u>	<u>1001</u>	<u>8/25/20</u>	<u>1001</u>				<u>91543</u>	<u>08014</u>	<u>-29</u>	<u>-4</u>	<u>-4</u>	<u>20-2252</u>

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
<u>[Signature]</u>	<u>8/26/20</u>	<u>1200</u>	<u>FedEX</u>	<u>8/27/20</u>	<u>1500</u>
			<u>[Signature]</u>		



September 9, 2020

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 August 24-25, 2020. 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.

No further air sampling is planned. If the WDNR requests additional sample(s), I will contact you to schedule the work. 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



Brian Kappen, PG
Project Manager

Attachments: Sample Results Summary Table
Laboratory Analytical Report

Copy: John Feeney, Wisconsin Department of Natural Resources
Alphonse Uselding Jr., Property Owner

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	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	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
		2/18/2020	Post	5.63	<1.07	<19.8	<39.6	<1.28
		8/25/2020	Post **	<3.19	<1.07	<19.8	<39.6	<1.28

Notes:

** = Vapor mitigation system shut down three weeks prior to sample collection

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

NE = Not Established

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

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

September 3, 2020

EnvisionAir Project Number: 2020-485
Client Project Name: 6348 Harborview Cleaners

Dear Mr. Kappen,

Please find the attached analytical report for the samples received August 27, 2020. All test methods performed were fully compliant with local, state, and federal EPA methods unless otherwise noted. The project was analyzed as requested on the enclosed chain of custody record. Please review the comments section for additional information about your results or Quality Control data.

Feel free to contact me if you have any questions or comments regarding your analytical report or service.

Thank you for your business. EnvisionAir looks forward to working with you on your next project.

Yours Sincerely,

A handwritten signature in black ink 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 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-485

Sample Summary

Canister Pressure / Vacuum

<u>Laboratory Sample Number:</u>	<u>Sample Description:</u>	<u>Matrix:</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>
20-2253	6348-109-IA	A	8/24/20	10:10	8/25/20	10:05	8/27/20	15:00	-29.5	-6.5	-6.5



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

Client Name: ENVIROFORENSICS
Project ID: 6348 HARBORVIEW CLEANERS
Client Project Manager: BRIAN KAPPEN
EnvisionAir Project Number: 2020-485

Analytical Method: TO-15
Analytical Batch: 083020AIR

Client Sample ID: 6348-109-IA **Sample Collection START Date/Time:** 8/24/20 10:10
EnvisionAir Sample Number: 20-2253 **Sample Collection END Date/Time:** 8/25/20 10:05
Sample Matrix: AIR **Sample Received Date/Time:** 8/27/20 15:00

<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)	101%		
Analysis Date/Time:	8-30-20/19:47		
Analyst Initials	tjg		

TO-15 Quality Control Data

EnvisionAir Batch Number: 083020AIR

<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)	93%		
Analysis Date/Time:	8-30-20/13:30		
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	9.16	9.34	10	92%	93%	1.9%	
trans-1,2-Dichloroethene	11	11	10	110%	110%	0.0%	
cis-1,2-Dichloroethene	9.99	9.85	10	100%	99%	1.4%	
Trichloroethene	9.69	9.27	10	97%	93%	4.4%	
Tetrachloroethene	10.9	10	10	109%	100%	8.6%	
4-bromofluorobenzene (surrogate)	108%	100%					
Analysis Date/Time:	8-30-20/11:18	8-30-20/12:06					
Analyst Initials	tjg	tjg					



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

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</u>	P.O. Number: <u>2020-1856</u>
Report Address: <u>bkappen@enviroforensics.com</u>	Project Name or Number: <u>6348 Harborview Chrs</u>
Report To: <u>B. Kappen</u>	Sampled by: <u>B. Kappen</u>
Phone: <u>262-745-5054</u>	QA/QC Required: (circle if applicable) Level III Level IV
Invoice Address: <u>accountspayable@enviroforensics.com</u>	Reporting Units needed: (circle) ug/m³ mg/m ³ PPBV PPMV
Desired TAT: (Please Circle One) 1 day 2 days 3 days Std (5 bus. days)	Media type: 1LC = 1 Liter Canister 6LC = 6 Liter Canister TB = Tedlar Bag TD = Thermal Desorption Tube

REQUESTED PARAMETERS

TO-15 Full List

TO-15 Short List (Specify in notes)



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
6348-109-IA	6LC	8/24/20	1010	8/25/20	1005				19562	07622	-29.5	-6.5	-6.5	20-2253

Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
<u>B. Kappen</u>	<u>8/26/20</u>	<u>1200</u>	<u>Fed Ex</u>	<u>8/27/20</u>	<u>1500</u>
			<u>Alan Munnico</u>		