

February 21, 2017

Pete Stefaniak LLC 2234 South108<sup>th</sup> Street West Allis, WI 53227

RE:

Agreement to Provide Access for Sampling Activities 2234 South108<sup>th</sup> Street, West Allis, WI BRRTS# 02-41-246246

FEB 28 2017

RECEIVED

Dear Mr. Stefaniak:

In accordance with the executed Access Agreement and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results of environmental samples collected from your property located at 2234 South 108<sup>th</sup> Street in West Allis, Wisconsin. The samples were collected January 31 and February 2, 2017. The sampling activities are part of an environmental investigation being performed for the One Hour Martinizing facility located at 2262 S 108th Street in West Allis 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:

Mr. Brian Cass OHM Holdings, Inc. W229 N2494 Hwy F Waukesha, WI 53186 Telephone: 262-521-9710

#### **Sampling Results**

Two (2) sub-slab vapor samples designated 6406-2234-SSV-1 and 6406-2234-SSV-2 were collected from the basement of your building. Indoor air sample 6406-2234-IA-B was also collected from the basement. For quality control purposes a sample of outdoor air designated 6406-OA-1 was also collected. 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**. The laboratory report that relates to the vapor samples is also attached.

As shown on **Table 1**, PCE and trichloroethene, which is a breakdown product of PCE, were detected in 6406-2234-SSV-2 and 6406-2234-SSV-1, respectively; however, the concentrations *Document: 6406-0302* Environmental Forensic Investigations, Inc. N16 W23390 Stone Ridge Drive, Suite G, Waukesha, WI 53188 Phone: 262-290-4001 Fax 317-972-7875



As shown on **Table 1**, PCE and trichloroethene, which is a breakdown product of PCE, were detected in 6406-2234-SSV-1; however, the concentrations are well below their respective vapor risk screening levels. There were no chemicals detected in the indoor air sample.

There does not appear to be a vapor intrusion risk at your property at this time and we do not anticipate any additional sampling. If you have any questions or concerns, please contact me at 414-982-3988 or by email at <u>wfassbender@enviroforensics.com</u>. The WDNR project manager, John Hnat, can be reached at 414-263-8644. We greatly appreciate your help and patience with this matter.

### Sincerely,

**Environmental Forensic Investigations, Inc.** 

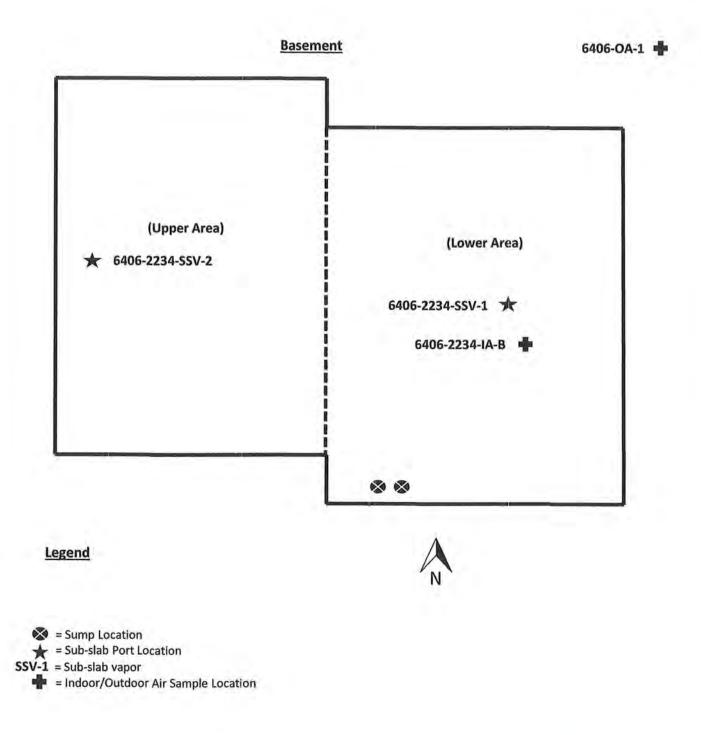
Ways Prail

Wayne Fassbender, PG, PMP Senior Project Manager

#### Attachments:

Figure 1:Sample LocationsTable 1:Vapor Intrusion Analytical Results.Laboratory Analytical Report

### Figure 1 SAMPLE LOCATIONS 2234 South 108<sup>th</sup> Street, West Allis Wisconsin





# TABLE 1 VAPOR INTRUSION ANALYTICAL RESULTS - 2230 S. 108th Street One Hour Martinizing 2262 South 108th Street, West Allis, Wisconsin

				1000	Chi	orinated Vo	OCs	
Sample Address	Sample Identification	Sample Location	Date Sampled	Tetrachloroethene	Trichlorethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
		INDOOR/	OUTDOOR AIR	9				
Smal	Commercial Vapor Actio	n Level		180	8.8	NE	NE	28
2230 S. 108th Street	6406-2230-IA-B	Basement	1/31/2017	<3.19	<1.07	<3.96	<3.96	<0.64
-		SUB-S	LAB VAPOR					
Small Co	mmercial Vapor Risk Scre	ening Level		6,000	293	NE	NE	930
2230 S. 108th Street	6406-2230-SSV-1	Basement	2/1/2017	45.4	3.28	<3.96	<3.96	<0.64
2230 S. 108th Street	6406-2230-SSV-2	Basement	2/1/2017	<3.19	<1.07	<3.96	<3.96	<0.64

#### Notes:

Results reported in microgragms per cubic meter (µg/m<sup>3</sup>)

Analysis performed by Envision Laboratories according to EPA Method TO-15

IA = Indoor Air

SSV = Sub-Slab Vapor

NE = Not Established

Bolded values are above detection limits

Sub-slab vapor screening levels derived using the attenuation factor of 0.03.





Mr. Wayne Fassbender Enviroforensics N16 W. 23390 Stone Ridge Dr Suite G Waukesha, WI 53188

February 17, 2017

EnvisionAir Project Number: 2017-68 Client Project Name: 6406 OHM-Lincoln

Dear Mr. Fassbender,

Please find the attached analytical report for the samples received February 3, 2017. 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,

Stanty a. Munnicutt

Stanley A Hunnicutt

Project Manager EnvisionAir, LLC



Canister Pressure / Vacuum

Client Name:	ENVIROFORENSICS

Project ID:	6406 - OHM-LINCOLN

#### Client Project Manager: WAYNE FASSBENDER

EnvisionAir Project Number: 2017-68

#### Sample Summary

#### START START Lab Date Time End Date End\_Time Date Time Initial Field Final Field Received Matrix: Collected: Collected: Collected: Received: Received Laboratory Sample Number: Sample Description: <u>(in. Hg)</u> <u>(in. Hg)</u> <u>(in. Hq)</u> 17-267 6406-OA-1 А 1/31/17 8:45 1/31/17 16:45 2/3/17 11:30 -29 -7 -7 17-268 6406-2234-JA-B А 1/31/17 9:05 1/31/17 17:00 2/3/17 11:30 -29 -5 -5 17-269 6406-2234-SSV-1 А 2/1/17 9:00 2/1/17 9:06 2/3/17 11:30 -29 -2 -2 17-270 6406-2234-SSV-2 А 2/1/17 9:15 2/1/17 9:20 2/3/17 11:30 -29 -2 -2

#### Page 2 of 9



Analysis Date/Time:

Analyst Initials

Envision Air 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:	6406-OHM-LINCOLN			
Client Project Manager:	WAYNE FASSBENDE	२		
EnvisionAir Project Number:	2017-68			
Analytical Method: Analytical Batch:	TO-15 020717CAIR			
Client Sample ID:	6406-OA-1	Sample Collection START Date/Time:	1/31/17	8:45
Envision Sample Number: Sample Matrix:	17-267 AIR	Sample Collection END Date/Time: Sample Received Date/Time:	1/31/17 2/3/17	16:45 11:30
Compounds	Sample Results ug/m <sup>3</sup>	Reporting Limit ug/m <sup>3</sup>	Flag	
cis-1,2-Dichloroethene	< 3.96	3.96		
Tetrachloroethene	< 3.19	3.19		
trans-1,2-Dichloroethene	< 3.96	3.96		
Trichloroethene	< 1.07	1.07		
Vinyl Chloride	< 0.64	0.64		
4-bromofluorobenzene (surrog	ate) 93%			
	,			

2-8-17/01:03

tjg



Client Name:	ENVIROFORENSICS			
Project ID:	6406-OHM-LINCOLN			
Client Project Manager:	WAYNE FASSBENDER	3		
EnvisionAir Project Number:	2017-68			
Analytical Method: Analytical Batch:	TO-15 020717CAIR			
Client Sample ID:	6406-2234-IA-B	Sample Collection START Date/Time:	1/31/17	9:05
Envision Sample Number: Sample Matrix:	17-268 AIR	Sample Collection END Date/Time: Sample Received Date/Time:	1/31/17 2/3/17	17:00 11:30
<u>Compounds</u> cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride 4-bromofluorobenzene (surroga Analysis Date/Time: Analyst Initials	Sample Results ug/m <sup>3</sup> < 3.96 < 3.19 < 3.96 < 1.07 < 0.64 ate) 108% 2-8-17/03:08 tjg	Reporting Limit ug/m <sup>3</sup> 3.96 3.19 3.96 1.07 0.64	<u>Flag</u>	



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Client Name:	ENVIROFORENSICS			
Project ID:	6406 - OHM-LINCOLN			
Client Project Manager:	WAYNE FASSBENDEF	3		
EnvisionAir Project Number:	2017-68			
Analytical Method: Analytical Batch:	TO-15 021617AIR			
Client Sample ID:	6406-2234-SSV-1	Sample Collection START Date/Time:	2/1/17	9:00
Envision Sample Number: Sample Matrix:	17-269 AIR	Sample Collection END Date/Time: Sample Received Date/Time:	2/1/17 2/3/17	9:06 11:30
<u>Compounds</u> cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride 4-bromofluorobenzene (surroga Analysis Date/Time: Analyst Initials	Sample Results ug/m <sup>3</sup> < 3.96 < 3.19 < 3.96 6.18 < 0.64 tte) 100% 2-17-17/10:07 tjg	Reporting Limit ug/m³ 3.96 3.19 3.96 1.07 0.64	<u>Flaq</u>	



Client Name:	ENVIROFORENSICS								
Project ID:	6406 - OHM-LINCOLN	6406 - OHM-LINCOLN							
Client Project Manager:	WAYNE FASSBENDER	WAYNE FASSBENDER							
EnvisionAir Project Number:	2017-68								
Analytical Method: Analytical Batch:	TO-15 021617AIR								
Client Sample ID:	6406-2234-SSV-2	Sample Collection START Date/Time:	2/1/17	9:15					
Envision Sample Number: Sample Matrix:	17-270 AIR	Sample Collection END Date/Time: Sample Received Date/Time:	2/1/17 2/3/17	9:20 11:30					
Compounds cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride 4-bromofluorobenzene (surroga Analysis Date/Time: Analyst Initials	Sample Results ug/m <sup>3</sup> < 3.96 6.58 < 3.96 < 1.07 < 0.64 ate) 96% 2-17-17/10:48 tjg	Reporting Limit ug/m <sup>3</sup> 3.96 3.19 3.96 1.07 0.64	<u>Flaq</u>						



#### Flag Number

1

Comments Reporting limit is supported by MDL. TJG



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Analytical Report

#### **TO-15 Quality Control Data**

EnvisionAir Batch Number:	020717CAIR						
Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags				
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)	95%						
Analysis Date/Time:	2-7-17/23:46						
Analyst Initials	tjg						
			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	RPD	Flag
Vinyl Chloride	9.14	9.19	10	91%	92%	0.5%	
trans-1,2-Dichloroethene	11	11.3	10	110%	113%	2.7%	
cis-1,2-Dichloroethene	10.5	10.5	10	105%	105%	0.0%	
Trichloroethene	11	10.8	10	110%	108%	1.8%	
Tetrachloroethene	9.62	9.42	10	96%	94%	2.1%	
4-bromofluorobenzene (surrogate)	108%	105%					
Analysis Date/Time:	2-7-17/22:26	2-7-17/23:07					
Analyst Initials	tjg	tjg					



5 1 2

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

Analytical Report

#### **TO-15 Quality Control Data**

EnvisionAir Batch Number:	021617AIR						
Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags				
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)	94%						
Analysis Date/Time:	02-16-17/17:23						
Analyst Initials	tjg						
			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	<u>RPD</u>	<u>Flaq</u>
Vinyl Chloride	9.18	9.27	10	92%	93%	1.0%	
trans-1,2-Dichloroethene	11.8	11.8	10	118%	118%	0.0%	
cis-1,2-Dichloroethene	11.3	11.4	10	113%	114%	0.9%	
Trichloroethene	10	10.2	10	100%	102%	2.0%	
Tetrachloroethene	9.81	10.6	10	98%	106%	7.7%	
4-bromofluorobenzene (surrogate)	95%	102%					
Analysis Date/Time:	02-16-17/16:04	02-16-17/18:44					
Analyst Initials	tjg	tjg					

EnvisionAir Proj#: 2017-68 Page 1 of 1

1130

2/3/17

## **CHAIN OF CUSTODY RECORD**

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

Client: Envine Forensils	<u> </u>	P.O. N	umber:	2017-	049		R	FOLIE	STED	PARAME	TERS				
Report Victor 3390 Sta Address: Suit Ca Report To: W. Fassbanda	ene kily V V XZIRA	- Project	Name or	Number: «	i tole S				/	[]]					
Report To: W. Frassbande	with sandy	Sample	ed by: K. (	termst	ead					  3 <sup></sup>		- A - R		SIC	NAIR
Phone: 209-890	***	1	Required	: (circle if app			/	/ /		*/ /	/ <sup>2000</sup>		A A I		
Invoice Address:				needed: (dr 1 <sup>3</sup> PPBV					3		Soil-Gas: □ Sub-Slab: □			vision-air.c	am
Desired TAT: (Please Circle One 1 day 2 days 3 days Stor	e) 5 bus. days)	Media type	: 1LC = 1 Liter 6LC = 6 Liter TB = Tedlar TD = Therm	Canister	)e			12, 12, 12, 12, 12, 12, 12, 12, 12, 12,			Indoor-Air: 🖄	Canister	Pressure /		om
Air Sample ID	Media Type (see code above)	Coll. Date (Grah/Comp Start)	Coll. Time (Grab/Comp Start)	Coll. Date (Comp. End)	Coll. Time					Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
6406-0A- (	612	131.17	845	1-31.17	1645		×	-		16102	03061	-24	-7	- 7	17-267
6406-2234-TH-B	GLC	1-34-12	905	1-3-17	1700		×			91604	02225	-29	-5	-5	17-268
6406-2234-550-1	126	C-1-17	900	2.1-17	906		×			84045		-25	-2	esa 2	17-269
4108-53											*			996-15-15-15-15-15-15-15-15-15-15-15-15-15-	
6406-2234-551-2	166	2-1-17	915	5.4.13	920		×			2224		- 29	-2		17-270
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February 21, 2017

## RECEIVED

Thomas Wilkoski 12294 West Black Oak Drive Greenfield, WI 53228

FEB 28 2017 Initia

RE:

Agreement to Provide Access for Sampling Activities 2230 South108<sup>th</sup> Street, West Allis, WI BRRTS# 02-41-246246

Dear Mr. Wilkoski:

In accordance with the executed Access Agreement and in accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, Environmental Forensic Investigations, Inc. (EnviroForensics) is providing the results of environmental samples collected from your property located at 2230 South 108<sup>th</sup> Street in West Allis, Wisconsin. The samples were collected January 31 and February 2, 2017. The sampling activities are part of an environmental investigation being performed for the One Hour Martinizing facility located at 2262 S 108th Street in West Allis 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:

Mr. Brian Cass OHM Holdings, Inc. W229 N2494 Hwy F Waukesha, WI 53186 Telephone: 262-521-9710

#### **Sampling Results**

Two (2) sub-slab vapor samples designated 6406-2230-SSV-1 and 6406-2230-SSV-2 were collected from the basement of your building. Indoor air sample 6406-2230-IA-B was also collected from the basement. 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**. The laboratory report that relates to the vapor samples is also attached.

Document: 6406-0305 Environmental Forensic Investigations, Inc. N16 W23390 Stone Ridge Drive, Suite G, Waukesha, WI 53188 Phone: 262-290-4001 Fax 317-972-7875



As shown on **Table 1**, PCE and trichloroethene, which is a breakdown product of PCE, were detected in 6406-2234-SSV-1; however, the concentrations are well below their respective vapor risk screening levels. There were no chemicals detected in the indoor air sample.

There does not appear to be a vapor intrusion risk at your property at this time and we do not anticipate any additional sampling. If you have any questions or concerns, please contact me at 414-982-3988 or by email at <u>wfassbender@enviroforensics.com</u>. The WDNR project manager, John Hnat, can be reached at 414-263-8644. We greatly appreciate your help and patience with this matter.

#### Sincerely,

Environmental Forensic Investigations, Inc.

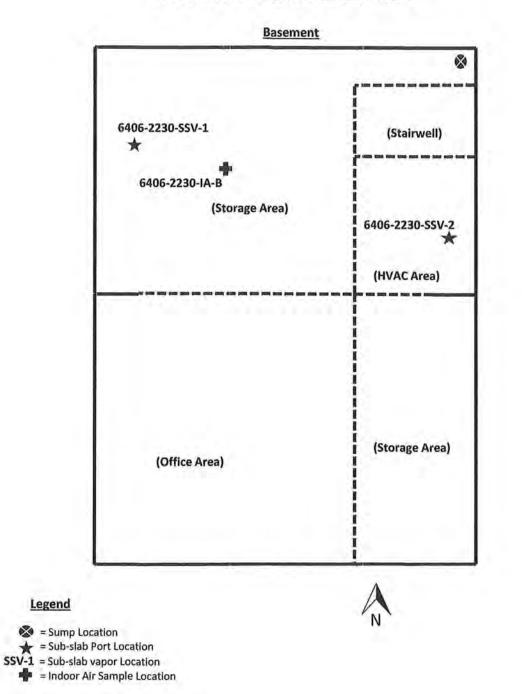
Dayer A Smith

Wayne Fassbender, PG, PMP Senior Project Manager

#### Attachments:

Figure 1:Sample LocationsTable 1:Vapor Intrusion Analytical Results.Laboratory Analytical Report

#### Figure 1 SAMPLE LOCATIONS 2230 South 108<sup>th</sup> Street, West Allis Wisconsin





# TABLE 1 VAPOR INTRUSION ANALYTICAL RESULTS - 2230 S. 108th Street One Hour Martinizing 2262 South 108th Street, West Allis, Wisconsin

					Chl	orinated VO	OCs		
Sample Address	Sample Identification	Sample Location	Date Sampled	Tetrachloroethene	Trichlorethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	
		INDOOR/	OUTDOOR AIR	8					
Small	Commercial Vapor Actio	n Level		180	8.8	NE	NE	28	
2230 S. 108th Street	6406-2230-IA-B	Basement	Basement	1/31/2017	<3.19	<1.07	<3.96	<3.96	<0.64
		SUB-S	LAB VAPOR						
Small Co	mmercial Vapor Risk Scre	ening Level		6,000	293	NE	NE	930	
2220 S 108th Street	6406-2230-SSV-1	Basement	2/1/2017	45.4	3.28	<3.96	<3.96	<0.64	
2230 S. 108th Street	6406-2230-SSV-2	Basement	2/1/2017	<3.19	<1.07	<3.96	<3.96	<0.64	

#### Notes:

Results reported in microgragms per cubic meter (µg/m<sup>3</sup>)

Analysis performed by Envision Laboratories according to EPA Method TO-15

IA = Indoor Air

SSV = Sub-Slab Vapor

NE = Not Established

Bolded values are above detection limits

Sub-slab vapor screening levels derived using the attenuation factor of 0.03.





Mr. Wayne Fassbender Enviroforensics N16 W. 23390 Stone Ridge Dr Suite G Waukesha, WI 53188

February 17, 2017

EnvisionAir Project Number: 2017-69 Client Project Name: 6406 OHM-Lincoln

Dear Mr. Fassbender,

Please find the attached analytical report for the samples received February 3, 2017. 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,

O. Hunnicutt stanta

Stanley A Hunnicutt

Project Manager EnvisionAir, LLC



Canister Pressure / Vacuum

Client Name:	ENVIROFORENSICS

Project ID:	6406 - OHM-LINCOLN
•	

#### Client Project Manager: WAYNE FASSBENDER

EnvisionAir Project Number: 2017-69

#### Sample Summary

#### START START <u>Lab</u> End Date End Time Initial Field Final Field Received Date <u>Time</u> Date <u>Time</u> Laboratory Sample Number: Sample Description: 17-271 6406-2230-IA-B Matrix: Collected: Collected: Collected: Received: Received <u>(in. Hq)</u> <u>(in. Hg)</u> <u>(in. Hg)</u> А 1/31/17 9:15 1/31/17 17:10 2/3/17 11:30 -29 -5 -5 6406-2230-SSV-1 2/3/17 17-272 10:10 -29 -2 -2 А 2/1/17 2/1/17 10:15 11:30 6406-2230-SSV-2 17-273 А 2/1/17 10:25 2/1/17 10:32 2/3/17 11:30 -29 -2 -2

### Page 2 of 8



Analyst Initials

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:	6406 - OHM-LINCOLN			
Client Project Manager:	WAYNE FASSBENDE	2		
EnvisionAir Project Number:	2017-69			
Analytical Method: Analytical Batch:	TO-15 020717CAIR			
Client Sample ID:	6406-2230-IA-B	Sample Collection START Date/Time:	1/31/17	9:15
Envision Sample Number: Sample Matrix:	17-271 AIR	Sample Collection END Date/Time: Sample Received Date/Time:	1/31/17 2/3/17	17:10 11:30
<u>Compounds</u>	Sample Results ug/m³	Reporting Limit ug/m³	Flag	
cis-1,2-Dichloroethene	< 3.96	3.96		
Tetrachloroethene	< 3.19	3.19		
trans-1,2-Dichloroethene	< 3.96	3.96		
Trichloroethene	< 1.07	1.07		
Vinyl Chloride	< 0.64	0.64		
4-bromofluorobenzene (surroga	ate) 120%			
Analysis Date/Time:	2-8-17/03:52			
<b>A 1 1 1 1 1 1</b>				

tjg



Client Name:	ENVIROFORENSICS			
Project ID:	6406 - OHM-LINCOLN			
Client Project Manager:	WAYNE FASSBENDEF	3		
EnvisionAir Project Number:	2017-69			
Analytical Method: Analytical Batch:	TO-15 021617AIR			
Client Sample ID:	6406-2230-SSV-1	Sample Collection START Date/Time:	2/1/17 2/1/17	10:10 10:15
Envision Sample Number: Sample Matrix:	17-272 AIR	Sample Collection END Date/Time: Sample Received Date/Time:	2/3/17	11:30
Compounds cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride 4-bromofluorobenzene (surroga Analysis Date/Time: Analyst Initials	Sample Results ug/m <sup>3</sup> < 3.96 45.4 < 3.96 3.28 < 0.64 tte) 97% 2-17-17/11:30 tjg	<u>Reporting Limit ug/m³</u> 3.96 3.19 3.96 1.07 0.64	<u>Flag</u>	



Client Name:	ENVIROFORENSICS			
Project ID:	6406 - OHM-LINCOLN			
Client Project Manager:	WAYNE FASSBENDER	3		
EnvisionAir Project Number:	2017-69			
Analytical Method: Analytical Batch:	TO-15 021617AIR			
Client Sample ID:	6406-2230-SSV-2	Sample Collection START Date/Time: Sample Collection END Date/Time:	2/1/17 2/1/17	10:25 10:32
Envision Sample Number: Sample Matrix:	17-273 AIR	Sample Received Date/Time:	2/3/17	11:30
Compounds cis-1,2-Dichloroethene Tetrachloroethene trans-1,2-Dichloroethene Trichloroethene Vinyl Chloride 4-bromofluorobenzene (surroga Analysis Date/Time: Analyst Initials	Sample Results ug/m <sup>3</sup> < 3.96 < 3.19 < 3.96 < 1.07 < 0.64 ate) 97% 2-17-17/12:12 tjg	Reporting Limit ug/m <sup>3</sup> 3.96 3.19 3.96 1.07 0.64	<u>Flag</u>	



Analytical Report

#### **TO-15 Quality Control Data**

EnvisionAir Batch Number:	021617AIR						
Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags				
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)	94%						
Analysis Date/Time:	02-16-17/17:23						
Analyst Initials	tjg						
			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	RPD	Flag
Vinyl Chloride	9.18	9.27	10	92%	93%	1.0%	
trans-1,2-Dichloroethene	11.8	11.8	10	118%	118%	0.0%	
cis-1,2-Dichloroethene	11.3	11.4	10	113%	114%	0.9%	
Trichloroethene	10	10.2	10	100%	102%	2.0%	
Tetrachloroethene	9.81	10.6	10	98%	106%	7.7%	
4-bromofluorobenzene (surrogate)	95%	102%					
Analysis Date/Time:	02-16-17/16:04	02-16-17/18:44					
Analyst Initials	tjg	tjg					



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

Analytical Report

#### **TO-15 Quality Control Data**

EnvisionAir Batch Number:	020717CAIR						
Method Blank (MB):	MB Results (ppbv)	Reporting Limit (ppbv)	Flags				
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)	95%						
Analysis Date/Time:	2-7-17/23:46						
Analyst Initials	tjg						
			LCS/D	LCS	LCSD		
LCS/LCSD	LCS Results (ppbv)	LCSD Results (ppbv)	Conc(ppbv)	Rec.	Rec.	RPD	Flag
Vinyl Chloride	9.14	9.19	10	91%	92%	0.5%	
trans-1,2-Dichloroethene	11	11.3	10	110%	113%	2.7%	
cis-1,2-Dichloroethene	10.5	10.5	10	105%	105%	0.0%	
Trichloroethene	11	10.8	10	110%	108%	1.8%	
Tetrachloroethene	9.62	9.42	10	96%	94%	2.1%	
4-bromofluorobenzene (surrogate)	108%	105%					
Analysis Date/Time:	2-7-17/22:26	2-7-17/23:07					
Analyst Initials	tjg	tjg					



Flag Number 1 Comments Reporting limit is supported by MDL. TJG

EnvisionAir Proj#: 2017-69 Page 1 of 1

# CHAIN OF CUSTODY RECORD

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

Client: Enviro Ferensi	<i>د</i> ج	P.O. NI	umber: ;	2017-51	49	1	~~~	470g 100g 100m 10	50% of 20% to 10 % of 100	nipti pita gira, araq				
Client: Envire Ferensi Reportage 23390 Ston Address: Sorte & Ventestan Report To: 23 Feature	Ry P D	Project		Number: 6			KEQUE		PARAME					
Report To: 2. For bard	/ h. Hermite	Sample		Hams	temil	-		/			S-C A		SIC	NAIR
Phone: 20% - 3%0 - %8		QA/QC	Required:	(circle if appl	icable)				°/ / .			N V I		
Invoice Address:		Report	ing Units n mg/m	eeded: (circ 3 PPBV	ile) PPMV			Ĩ/		Soil-Gas: □ Sub-Slab: □		14/11/13/ 01	vision-air.c	om
Desired TAT: (Please Circle One 1 day 2 days 3 days Std (5		Media type	<ul> <li>1LC = 1 Liter</li> <li>6LC = 6 Liter</li> <li>TB = Tediar</li> <li>TD = Therma</li> </ul>	Canister Canister Bag Il Desorption Tub	6	La	C.S. 120			Indoor-Air: 🏹	Canister	" Pressure /		Citit
Air Sample ID	Media Type (see code above)	Coll. Date (Grab/Contp Start)	Coll. Time	Coll. Date	Coll. Time				Canister Serial #	Flow Controller Serial #	Initial Field (in. Hg)	Final Field (in. Hg)	Lab Received (in. Hg)	EnvisionAir Sample Number
-KE-2230-J71-13	626	1-31-17	915	1-31-17	1710	×			11052	05249	-24	-5	-5	17-271
406-2230-55-1	122	5-1-17	1070	2-1-17	1015	×			EZIL	NAMANA	-24	- 2	-2	17-272
406-2230-550-2	ic c	2-6-19	1025	2-1-12	1632	×			5.3923		-24	- 2-	-2	17-273
		11												
Comments:														
Reling	uished	by:			Date	Time	2	2 1		eived by:			ate	Time
fatter of the contraction of the					-2017	+		<u>Fel</u>	Eigh	NICHT			17	1:30