January 24, 2025

Gabriel Greco
4706 7th Avenue
Kenosha, WI 53140

Subject: **Environmental Investigation Sampling Results**
BRRTS#: 02-30-287150

Dear Gabriel:

In accordance with Wisconsin Department of Natural Resources (WDNR) regulation NR 716.14, *EnviroForensics* is providing the results of environmental samples collected from your property located at 4706 7th Avenue in Kenosha, Wisconsin on December 18th through January 2nd.

The sampling activities are part of an environmental investigation being performed for the Martino's Master Drycleaners facility located at 4700 7th Avenue in Kenosha, Wisconsin 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.

Sampling:
On December 18th, 2024, EnviroForensics deployed passive air sampling devices on the main floor and basement of your property. On January 2nd, 2025, the sample devices were retrieved then submitted to a laboratory, where for laboratory analysis of PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and VC.

Your Results
Two (2) indoor air samples were collected from within your property from the main floor and the basement. The sampling locations are depicted on the attached **Figure 1**. The results of the indoor air samples are summarized and compared to DNR standards on the attached **Table 1**. A copy of the laboratory report for the indoor air samples is also attached.

There was a detection of tetrachloroethene in both samples. The indoor air detections of PCE were ***below*** the associated Residential Vapor Risk Screening Level. No other chemicals of concern were detected.

Next Steps

With the vapor mitigation system installed on your building, we will monitor indoor air as necessary. The DNR Publication RR-977 *Understanding Chemical Vapor Testing Results* is

attached with additional information for you.

If you have any questions or concerns, please contact us or the DNR contact copied below. We greatly appreciate your help and patience with this matter.

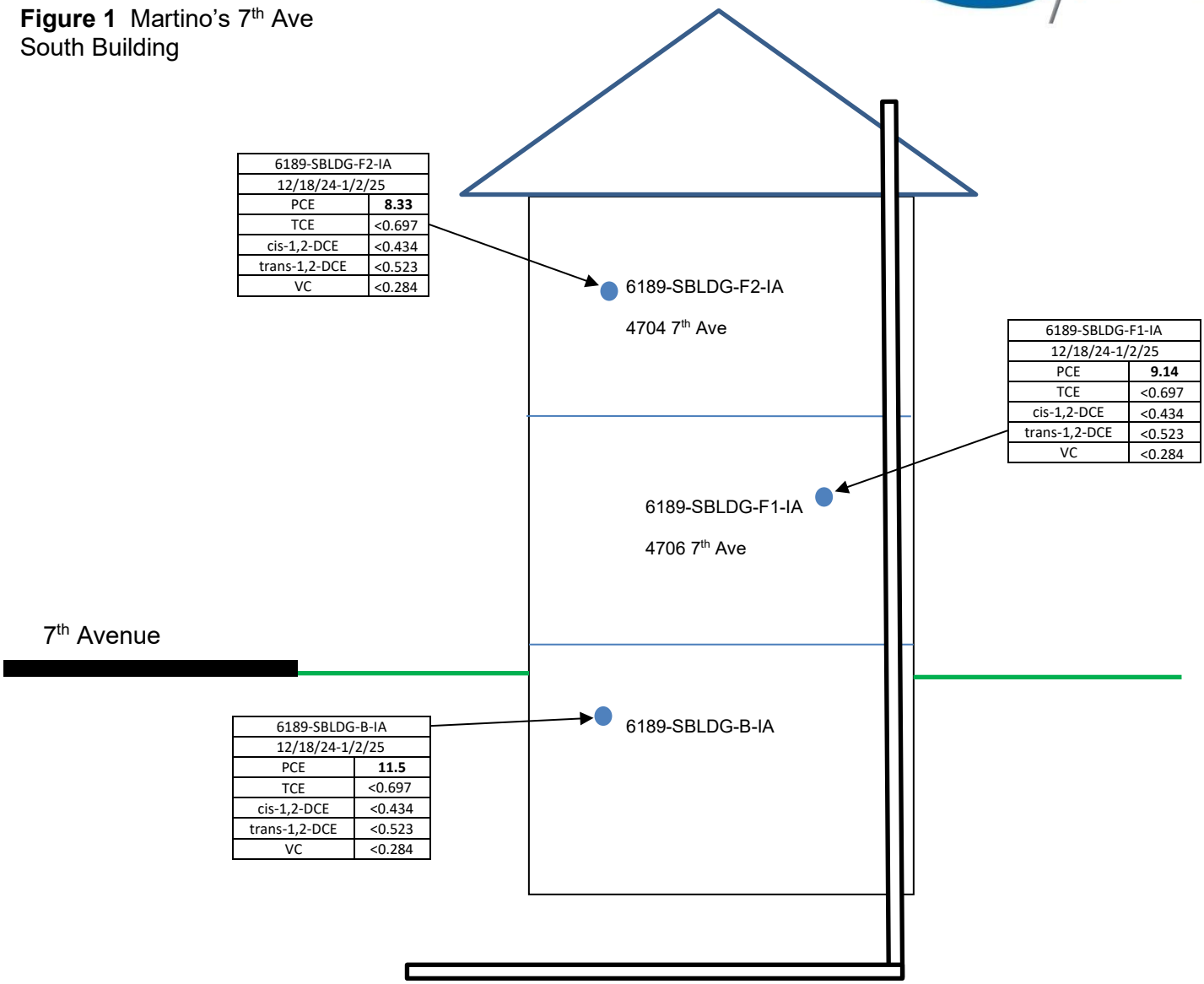
Sincerely,
EnviroForensics

Rob Hoverman
Regional Manager
262-366-4425
rhoverman@enviorforensics.com

Copy:
Zach Henderson , WDNR PM, (414) 208-7412 and Zachary.Henderson@wisconsin.gov
Jeremiah Yee, DHS, (618) 266-3139 and jeremiah.yee@dhs.wisconsin.gov

Attachments:
Figure 1 – Vapor Intrusion Sample Locations
Table 1 – Vapor Intrusion Analytical Results
Laboratory Analytical Report
Understanding Chemical Vapor Testing Results (DNR PUB-RR-977)

Figure 1 Martino's 7th Ave South Building



	PCE	TCE	cDCE	tDCE	VC
Residential Vapor Action Level	**42**	**2.1**	**42**	**42**	**1.7**
Small Commercial Vapor Action Level	**180**	**8.8**	**180**	**180**	**28**

KEY

= Passive Indoor Air Sample Location

= Passive Sub-Slab Vapor Sample Location

= Sanitary Cleanout/Floor Drain Grab Sample Location

= Sanitary Sewer → = Sump Pump Crock → not applicable → = Floor Drain

VRSL = Vapor Risk Screening Level

VAL → = Vapor Action Level

cDCE = cis-1,2-Dichloroethene PCE = Tetrachloroethene
tDCE = trans-1,2-dichloroethene → TCE = Trichloroethene
VC = Vinyl Chloride

TABLE 1
SUMMARY OF ON-SITE VAPOR INTRUSION SAMPLING RESULTS - 4704 7TH AVENUE
Martino's Master Dry Cleaners
4700 7th Avenue, Kenosha, Wisconsin

Sample Location	Sample Identification	Applicable Criteria	Occupancy Status	Date Sampled	Mitigation	Tetrachloroethene	Trichlorethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
						INDOOR/ OUTDOOR AIR				
Residential Vapor Action Level						**42**	**2.1**	**42**	**42**	**1.7**
Small Commercial Vapor Action Level						**180**	**8.8**	**180**	**180**	**28**
South Bldg Basement	6189-SBLDG-B-IA-8	Small Commercial	Unoccupied	10/21/2010	No	**81**	<0.78	<0.85	<0.58	<0.37
			Unoccupied	12/17/2014	No	**53.0**	<1.07	<19.8	<39.6	<1.28
	6189-SBLDG-B-IA (Passive)		Unoccupied	9/11/2024 - 9/18/2024	No	**19.3**	**5.81**	**1.58**	<1.09	<0.59
			Unoccupied	12/18/2024 - 1/2/2025	Yes	**11.5**	<0.697	<0.434	<0.523	<0.284
South Bldg 1st Floor	6189-SBLDG-F1-IA-8	Small Commercial	Unoccupied	12/1/2006	No	**401**	BDL	<19.8	BDL	BDL
			Unoccupied	10/1/2007	No	**643**	BDL	<19.8	BDL	BDL
			Unoccupied	10/21/2010	No	**84**	<0.71	<0.52	<0.52	<0.34
			Occupied	10/7/2013	No	**153**	<1.07	<19.8	<39.6	<1.28
			Occupied	12/17/2014	No	**45.6**	<1.07	<19.8	<39.6	<1.28
	6189-SBLDG-F1-IA-24	Small Commercial	Occupied	1/11/2019	No	**4.14**	<1.07	<19.8	<39.6	<1.28
			Occupied	4/18/2019	No	**3.93**	<1.07	<19.8	<39.6	<1.28
			Occupied	7/11/2019	No	**10.1**	<1.07	<19.8	<39.6	<1.28
	6189-SBLDG-F1-IA (Passive)		Occupied	9/11/2024 - 9/18/2024	No	**8.01**	**2.07**	<0.91	<1.09	**0.64**
			Occupied	12/18/2024 - 1/2/2025	Yes	**9.14**	<0.697	<0.434	<0.523	<0.284
South Bldg 2nd Floor	6189-SBLDG-F2-IA-24	Residential	Unoccupied	12/1/2006	No	**300**	BDL	BDL	BDL	BDL
			Unoccupied	10/1/2007	No	**414**	BDL	BDL	BDL	BDL
	6189-SBLDG-F2-IA-8	Residential	Unoccupied	10/21/2010	No	**44**	<0.80	<0.59	<0.59	<0.38
	6189-SBLDG-F2-IA-24	Residential	Occupied	12/17/2014	No	**23.7**	<1.07	<19.8	<39.6	<1.28
			Occupied	3/10/2016	No	**22.9**	<1.07	<19.8	<39.6	<1.28
			Occupied	1/11/2019	No	**9.43**	<1.07	<19.8	<39.6	<1.28
			Occupied	4/18/2019	No	**9.56**	<1.07	<19.8	<39.6	<1.28
			Occupied	7/11/2019	No	**21.0**	<1.07	<19.8	<39.6	<1.28
	6189-SBLDG-F2-IA (Passive)		Occupied	9/11/2024 - 9/18/2024	No	**16.3**	**2.64**	**1.16**	<1.12	<0.61
			Occupied	12/18/2024 - 1/2/2025	Yes	**8.33**	<0.697	<0.434	<0.523	<0.284

ENVIRO forensics

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

EnviroForensics	**Site Name:**	6189 Martino's 7th Avenue	**Beacon Proposal:**	240904R02
825 N Capitol Ave	**Site Location:**	Kenosha, WI	**Lab Work Order:**	0008258
Indianapolis, IN 46204	**Project Manager:**	Nic Downton	**Reported:**	01/14/2025

Lab Sample ID: 0008258-01

6189-SBLDG-B-IA

Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.284	U	0.284	0.568	01/06/2025 21:02	Kc25010611.D
trans-1,2-Dichloroethene	156-60-5	<0.523	U	0.523	1.05	01/06/2025 21:02	Kc25010611.D
cis-1,2-Dichloroethene	156-59-2	<0.434	U	0.434	0.868	01/06/2025 21:02	Kc25010611.D
Trichloroethene	79-01-6	<0.697	U	0.697	1.39	01/06/2025 21:02	Kc25010611.D
Tetrachloroethene	127-18-4	**11.5**		0.561	1.12	01/06/2025 21:02	Kc25010611.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*101%*	*70-130*		*01/06/2025 21:02*	*Kc25010611.D*
Surrogate: Toluene-d8	2037-26-5	*98.6%*	*70-130*		*01/06/2025 21:02*	*Kc25010611.D*
Surrogate: Bromofluorobenzene	460-00-4	*99.5%*	*70-130*		*01/06/2025 21:02*	*Kc25010611.D*

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EnviroForensics	**Site Name:**	6189 Martino's 7th Avenue	**Beacon Proposal:**	240904R02
825 N Capitol Ave	**Site Location:**	Kenosha, WI	**Lab Work Order:**	0008258
Indianapolis, IN 46204	**Project Manager:**	Nic Downton	**Reported:**	01/14/2025

Lab Sample ID: 0008258-02

6189-SBLDG-F1-IA

Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.284	U	0.284	0.568	01/06/2025 21:58	Kc25010613.D
trans-1,2-Dichloroethene	156-60-5	<0.523	U	0.523	1.05	01/06/2025 21:58	Kc25010613.D
cis-1,2-Dichloroethene	156-59-2	<0.434	U	0.434	0.868	01/06/2025 21:58	Kc25010613.D
Trichloroethene	79-01-6	<0.697	U	0.697	1.39	01/06/2025 21:58	Kc25010613.D
Tetrachloroethene	127-18-4	**9.14**		0.561	1.12	01/06/2025 21:58	Kc25010613.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*102%*	*70-130*		*01/06/2025 21:58*	*Kc25010613.D*
Surrogate: Toluene-d8	2037-26-5	*97.4%*	*70-130*		*01/06/2025 21:58*	*Kc25010613.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.5%*	*70-130*		*01/06/2025 21:58*	*Kc25010613.D*

526 Underwood Lane
Bel Air, MD 21014 USA
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CERTIFICATE OF ANALYSIS

EnviroForensics	**Site Name:**	6189 Martino's 7th Avenue	**Beacon Proposal:**	240904R02
825 N Capitol Ave	**Site Location:**	Kenosha, WI	**Lab Work Order:**	0008258
Indianapolis, IN 46204	**Project Manager:**	Nic Downton	**Reported:**	01/14/2025

Lab Sample ID: 0008258-03

6189-SBLDG-F2-IA

Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.284	U	0.284	0.568	01/06/2025 22:53	Kc25010615.D
trans-1,2-Dichloroethene	156-60-5	<0.523	U	0.523	1.05	01/06/2025 22:53	Kc25010615.D
cis-1,2-Dichloroethene	156-59-2	<0.434	U	0.434	0.868	01/06/2025 22:53	Kc25010615.D
Trichloroethene	79-01-6	<0.697	U	0.697	1.39	01/06/2025 22:53	Kc25010615.D
Tetrachloroethene	127-18-4	**8.33**		0.561	1.12	01/06/2025 22:53	Kc25010615.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*01/06/2025 22:53*	*Kc25010615.D*
Surrogate: Toluene-d8	2037-26-5	*95.4%*	*70-130*		*01/06/2025 22:53*	*Kc25010615.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*01/06/2025 22:53*	*Kc25010615.D*

Understanding Chemical Vapor Intrusion Testing Results

RR-977 October 2014

From the Lab to You

Chemical vapor samples were taken from underneath your house or building and possibly indoors as well. These samples have been tested by a certified laboratory and a report was issued. The Wisconsin Department of Natural Resources (DNR) uses these test results to determine if people in the building are being exposed to chemical vapors coming from nearby contaminated soil or groundwater, and to decide what, if any, action is needed to prevent this exposure.

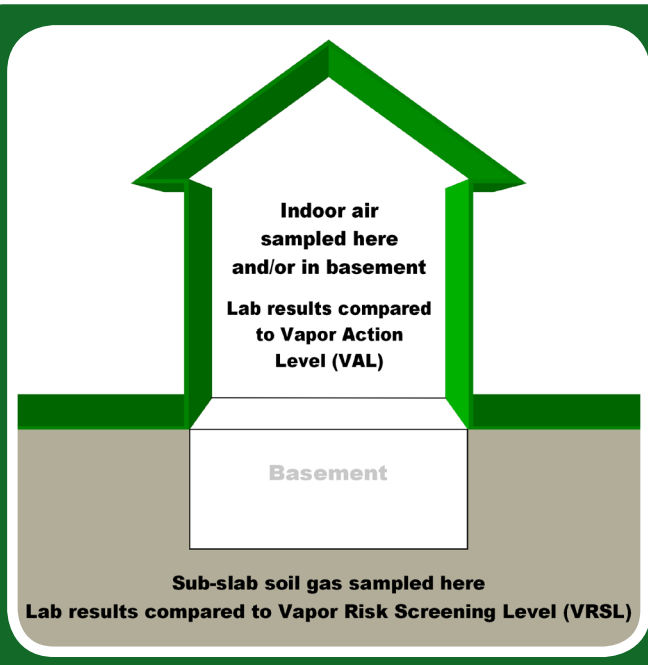
Indoor Air Testing Results

If indoor air samples were collected in your house or building, test results from the lab will be compared to the state Vapor Action Level (VAL) for chemicals of concern. The VAL is a chemical compound's numerical value that represents a health hazard risk to no more than 1 in 100,000 people during a lifetime of exposure. If test results show chemical concentrations in your air below the VAL then adverse health effects are extremely rare, even if you were to breathe the chemical at this concentration for your entire life.

Test results showing chemical concentrations in the air at or above the VAL prompt DNR to recommend that exposure to these chemical vapors be reduced. If test results show concentrations significantly above the VAL, or more than one type of chemical vapor is identified in your indoor air, the risk from exposure increases. If the concentration of any indoor chemical vapor greatly exceeds the VAL, DNR is concerned about even short-term exposure and will typically require immediate action to address the problem.

The VAL for each chemical is set by scientific research. It is protective of all people, including those who are most susceptible to adverse health effects.

If test results identify chemicals in your air that are not present in nearby soil or groundwater contamination, it is likely that these vapors are coming from some product or activity in or near your house or building. Many everyday consumer products (e.g., cleaners, solvents, polish, adhesives, lubricants, aerosols, insect repellants, etc.); combustion processes (e.g., smoking, home heating); fuels in attached garages; dry cleaned clothing or draperies; and occupant activities (e.g., craft hobbies), also release chemical vapors into the air.



The air and soil gas samples from your property are tested at a laboratory. Chemical concentrations are measured and the results are compared to state health-risk numbers.

Sub-slab Soil Gas Testing Results

Soil gas samples were collected from the ground beneath the concrete slab of your building foundation or basement. The lab measured the concentrations of various chemicals in these samples. DNR compares these measurements to the state Vapor Risk Screening Level (VRSL), which identifies the concentration of a chemical in soil gas that scientific research suggests can be a health risk if vapor enters a building. If soil gas measurements exceed the VRSL for a chemical of concern, action to reduce exposure is strongly recommended.

The VRSL is a higher number (higher chemical concentration) than the VAL because it is presumed that concrete building foundations and basement walls will prevent most soil gas from entering a building. Further, any soil gas that does enter a building through cracks, holes, sump pumps, drains, etc., will be diluted to some extent by the indoor air. So, people inside will not be breathing air that includes the full concentration of chemical vapors that exist in the ground.

Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"

January 24, 2025

Jamie Funk
4704 7th Avenue
Kenosha, WI 53140

Subject: **Environmental Investigation Sampling Results**
BRRTS#: 02-30-287150

Dear Ms. Funk:

In accordance with Wisconsin Department of Natural Resources (WNDR) regulation NR 716.14, *EnviroForensics* is providing a summary of the environmental samples collected from your home located at located at 4704 7th Avenue in Kenosha, Wisconsin from December 18, 2024, through January 2, 2025.

The sampling activities are part of an environmental investigation being performed for the Martino's Master Drycleaners facility located at 4700 7th Avenue in Kenosha, Wisconsin. 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.

Sampling
On December 18th, 2025, EnviroForensics deployed a passive air sampling device on the main floor of your home. On January 2nd, 2025, the sample device was retrieved then submitted to a laboratory, where for laboratory analysis of PCE, TCE, cis-1,2-DCE, trans-1,2-DCE, and VC

Your Results
One (1) indoor air sample was collected from within your home from the main floor. The sampling location is depicted on the attached **Figure 1**. The results of the indoor air sample summarized and compared to DNR standards are on the attached **Table 1**. A copy of the laboratory report for the indoor air sample is also attached.

There was a detection of tetrachloroethene in the sample. The indoor air detection of PCE was **below** the associated Residential Vapor Risk Screening Level. No other chemicals of concern were detected.

Next Steps

With the vapor mitigation system installed on your building, we will monitor the indoor air as necessary. The DNR Publication RR-977 *Understanding Chemical Vapor Testing Results* is attached with additional information for you.

If you have any questions or concerns, please contact us or the DNR contact copied below. We greatly appreciate your help and patience with this matter.

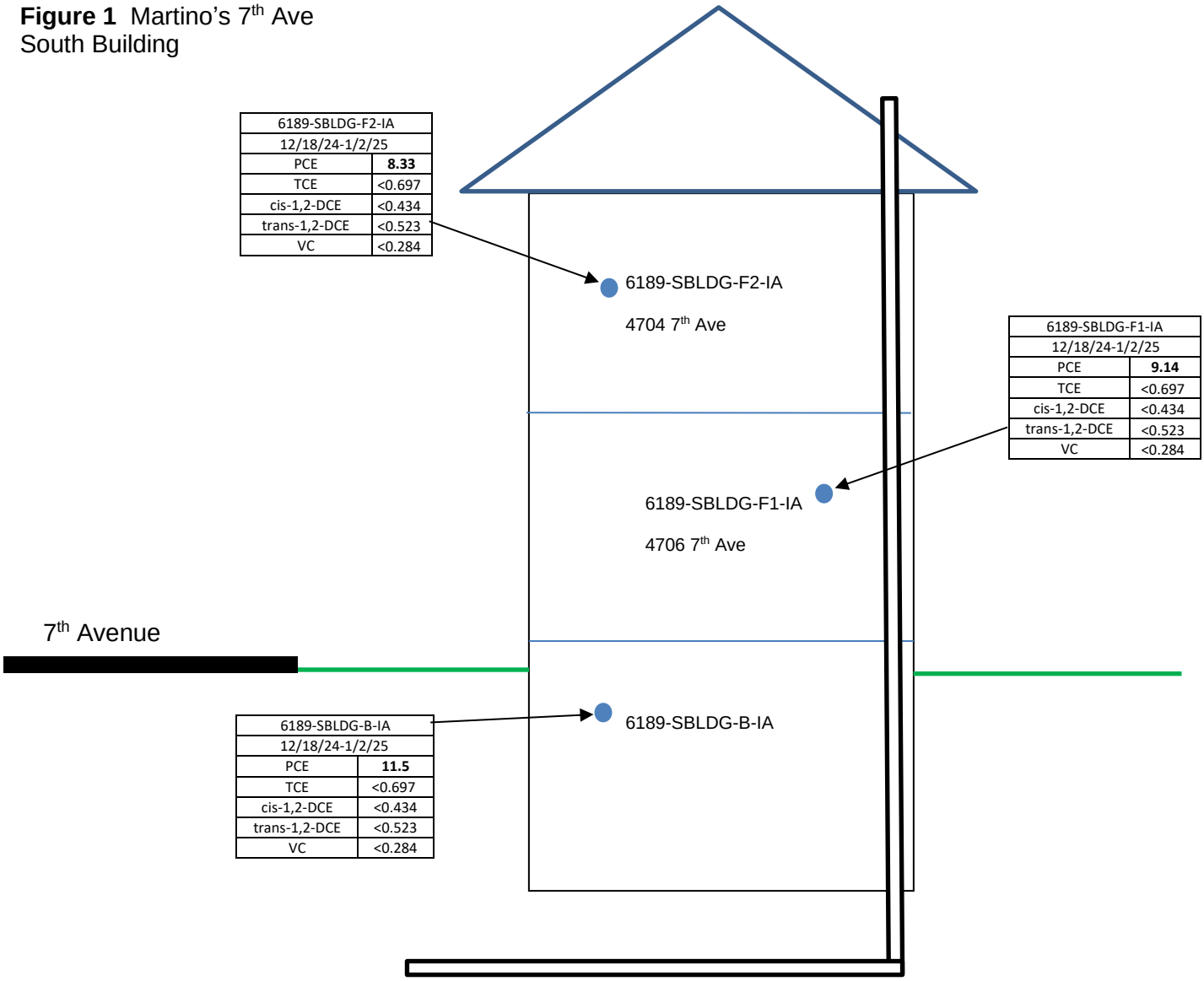
Sincerely,
EnviroForensics, LLC

Rob Hoverman,
Regional Manager
262-366-4425
rhoverman@enviroforensics.com

Copy: Zach Henderson, WDNR PM, (414) 208-7412 and Zachary.Henderson@wisconsin.gov
Jeremiah Yee, DHS, (618) 266-3139 and jeremiah.yee@dhs.wisconsin.gov

Attachments:
Figure 1 – Vapor Intrusion Sample Locations
Table 1 – Vapor Intrusion Analytical Results
Laboratory Analytical Report
Understanding Chemical Vapor Testing Results (DNR PUB-RR-977)

Figure 1 Martino's 7th Ave South Building



6189-SBLDG-F2-IA	
12/18/24-1/2/25	
PCE	**8.33**
TCE	<0.697
cis-1,2-DCE	<0.434
trans-1,2-DCE	<0.523
VC	<0.284

6189-SBLDG-F1-IA	
12/18/24-1/2/25	
PCE	**9.14**
TCE	<0.697
cis-1,2-DCE	<0.434
trans-1,2-DCE	<0.523
VC	<0.284

6189-SBLDG-B-IA	
12/18/24-1/2/25	
PCE	**11.5**
TCE	<0.697
cis-1,2-DCE	<0.434
trans-1,2-DCE	<0.523
VC	<0.284

	PCE	TCE	cDCE	tDCE	VC
Residential Vapor Action Level	**42**	**2.1**	**42**	**42**	**1.7**
Small Commercial Vapor Action Level	**180**	**8.8**	**180**	**180**	**28**

KEY

=·Passive·Indoor·Air·Sample·Location

=·Passive·Sub-Slab·Vapor·Sample·Location

=·Sanitary·Cleanout/Floor·Drain·Grab·Sample·Location

=·Sanitary·Sewer → =·Sump·Pump·Crock → not applicable → =·Floor·Drain

VRSL·=·Vapor·Risk·Screening·Level

··VAL → =·Vapor·Action·Level

cDCE·=·cis-1,2-Dichloroethene·PCE·=·Tetrachloroethene
tDCE·=·trans-1,2-dichloroethene· → TCE·=·Trichloroethene
VC·=·Vinyl·Chloride

TABLE 1
SUMMARY OF ON-SITE VAPOR INTRUSION SAMPLING RESULTS - 4704 7TH AVENUE
Martino's Master Dry Cleaners
4700 7th Avenue, Kenosha, Wisconsin

Sample Location	Sample Identification	Applicable Criteria	Occupancy Status	Date Sampled	Mitigation	Tetrachloroethene	Trichlorethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
						INDOOR/ OUTDOOR AIR				
Residential Vapor Action Level						42	2.1	42	42	1.7
Small Commercial Vapor Action Level						180	8.8	180	180	28
South Bldg Basement	6189-SBLDG-B-IA-8	Small Commercial	Unoccupied	10/21/2010	No	**81**	<0.78	<0.85	<0.58	<0.37
			Unoccupied	12/17/2014	No	**53.0**	<1.07	<19.8	<39.6	<1.28
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			Unoccupied	12/18/2024 - 1/2/2025	Yes	**11.5**	<0.697	<0.434	<0.523	<0.284
South Bldg 1st Floor	6189-SBLDG-F1-IA-8	Small Commercial	Unoccupied	12/1/2006	No	**401**	BDL	<19.8	BDL	BDL
			Unoccupied	10/1/2007	No	**643**	BDL	<19.8	BDL	BDL
			Unoccupied	10/21/2010	No	**84**	<0.71	<0.52	<0.52	<0.34
			Occupied	10/7/2013	No	**153**	<1.07	<19.8	<39.6	<1.28
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			Occupied	4/18/2019	No	**3.93**	<1.07	<19.8	<39.6	<1.28
			Occupied	7/11/2019	No	**10.1**	<1.07	<19.8	<39.6	<1.28
	6189-SBLDG-F1-IA (Passive)		Occupied	9/11/2024 - 9/18/2024	No	**8.01**	**2.07**	<0.91	<1.09	**0.64**
			Occupied	12/18/2024 - 1/2/2025	Yes	**9.14**	<0.697	<0.434	<0.523	<0.284
South Bldg 2nd Floor	6189-SBLDG-F2-IA-24	Residential	Unoccupied	12/1/2006	No	**300**	BDL	BDL	BDL	BDL
			Unoccupied	10/1/2007	No	**414**	BDL	BDL	BDL	BDL
	6189-SBLDG-F2-IA-8	Residential	Unoccupied	10/21/2010	No	**44**	<0.80	<0.59	<0.59	<0.38
	6189-SBLDG-F2-IA-24	Residential	Occupied	12/17/2014	No	**23.7**	<1.07	<19.8	<39.6	<1.28
			Occupied	3/10/2016	No	**22.9**	<1.07	<19.8	<39.6	<1.28
			Occupied	1/11/2019	No	**9.43**	<1.07	<19.8	<39.6	<1.28
			Occupied	4/18/2019	No	**9.56**	<1.07	<19.8	<39.6	<1.28
			Occupied	7/11/2019	No	**21.0**	<1.07	<19.8	<39.6	<1.28
	6189-SBLDG-F2-IA (Passive)		Occupied	9/11/2024 - 9/18/2024	No	**16.3**	**2.64**	**1.16**	<1.12	<0.61
			Occupied	12/18/2024 - 1/2/2025	Yes	**8.33**	<0.697	<0.434	<0.523	<0.284

ENVIRO forensics

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

EnviroForensics	**Site Name:**	6189 Martino's 7th Avenue	**Beacon Proposal:**	240904R02
825 N Capitol Ave	**Site Location:**	Kenosha, WI	**Lab Work Order:**	0008258
Indianapolis, IN 46204	**Project Manager:**	Nic Downton	**Reported:**	01/14/2025

Lab Sample ID: 0008258-01

6189-SBLDG-B-IA

Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.284	U	0.284	0.568	01/06/2025 21:02	Kc25010611.D
trans-1,2-Dichloroethene	156-60-5	<0.523	U	0.523	1.05	01/06/2025 21:02	Kc25010611.D
cis-1,2-Dichloroethene	156-59-2	<0.434	U	0.434	0.868	01/06/2025 21:02	Kc25010611.D
Trichloroethene	79-01-6	<0.697	U	0.697	1.39	01/06/2025 21:02	Kc25010611.D
Tetrachloroethene	127-18-4	**11.5**		0.561	1.12	01/06/2025 21:02	Kc25010611.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*101%*	*70-130*		*01/06/2025 21:02*	*Kc25010611.D*
Surrogate: Toluene-d8	2037-26-5	*98.6%*	*70-130*		*01/06/2025 21:02*	*Kc25010611.D*
Surrogate: Bromofluorobenzene	460-00-4	*99.5%*	*70-130*		*01/06/2025 21:02*	*Kc25010611.D*

526 Underwood Lane
Bel Air, MD 21014 USA
1.410.838.8780

CERTIFICATE OF ANALYSIS

EnviroForensics	**Site Name:**	6189 Martino's 7th Avenue	**Beacon Proposal:**	240904R02
825 N Capitol Ave	**Site Location:**	Kenosha, WI	**Lab Work Order:**	0008258
Indianapolis, IN 46204	**Project Manager:**	Nic Downton	**Reported:**	01/14/2025

Lab Sample ID: 0008258-02

6189-SBLDG-F1-IA

Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.284	U	0.284	0.568	01/06/2025 21:58	Kc25010613.D
trans-1,2-Dichloroethene	156-60-5	<0.523	U	0.523	1.05	01/06/2025 21:58	Kc25010613.D
cis-1,2-Dichloroethene	156-59-2	<0.434	U	0.434	0.868	01/06/2025 21:58	Kc25010613.D
Trichloroethene	79-01-6	<0.697	U	0.697	1.39	01/06/2025 21:58	Kc25010613.D
Tetrachloroethene	127-18-4	**9.14**		0.561	1.12	01/06/2025 21:58	Kc25010613.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*102%*	*70-130*		*01/06/2025 21:58*	*Kc25010613.D*
Surrogate: Toluene-d8	2037-26-5	*97.4%*	*70-130*		*01/06/2025 21:58*	*Kc25010613.D*
Surrogate: Bromofluorobenzene	460-00-4	*98.5%*	*70-130*		*01/06/2025 21:58*	*Kc25010613.D*

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CERTIFICATE OF ANALYSIS

EnviroForensics	**Site Name:**	6189 Martino's 7th Avenue	**Beacon Proposal:**	240904R02
825 N Capitol Ave	**Site Location:**	Kenosha, WI	**Lab Work Order:**	0008258
Indianapolis, IN 46204	**Project Manager:**	Nic Downton	**Reported:**	01/14/2025

Lab Sample ID: 0008258-03

6189-SBLDG-F2-IA

Indoor Air

Method: TO-17 (Passive)

Analyte	CAS#	Result (µg/m³)	Q	LOD (µg/m³)	LOQ (µg/m³)	Analyzed	File ID
Vinyl Chloride	75-01-4	<0.284	U	0.284	0.568	01/06/2025 22:53	Kc25010615.D
trans-1,2-Dichloroethene	156-60-5	<0.523	U	0.523	1.05	01/06/2025 22:53	Kc25010615.D
cis-1,2-Dichloroethene	156-59-2	<0.434	U	0.434	0.868	01/06/2025 22:53	Kc25010615.D
Trichloroethene	79-01-6	<0.697	U	0.697	1.39	01/06/2025 22:53	Kc25010615.D
Tetrachloroethene	127-18-4	**8.33**		0.561	1.12	01/06/2025 22:53	Kc25010615.D

Analyte	*CAS#*	*% Recovery*	*Recovery Limits*	*Q*	*Analyzed*	*File ID*
Surrogate: 1,2-DCA-d4	17060-07-0	*104%*	*70-130*		*01/06/2025 22:53*	*Kc25010615.D*
Surrogate: Toluene-d8	2037-26-5	*95.4%*	*70-130*		*01/06/2025 22:53*	*Kc25010615.D*
Surrogate: Bromofluorobenzene	460-00-4	*101%*	*70-130*		*01/06/2025 22:53*	*Kc25010615.D*

Understanding Chemical Vapor Intrusion Testing Results

RR-977 October 2014

From the Lab to You

Chemical vapor samples were taken from underneath your house or building and possibly indoors as well. These samples have been tested by a certified laboratory and a report was issued. The Wisconsin Department of Natural Resources (DNR) uses these test results to determine if people in the building are being exposed to chemical vapors coming from nearby contaminated soil or groundwater, and to decide what, if any, action is needed to prevent this exposure.

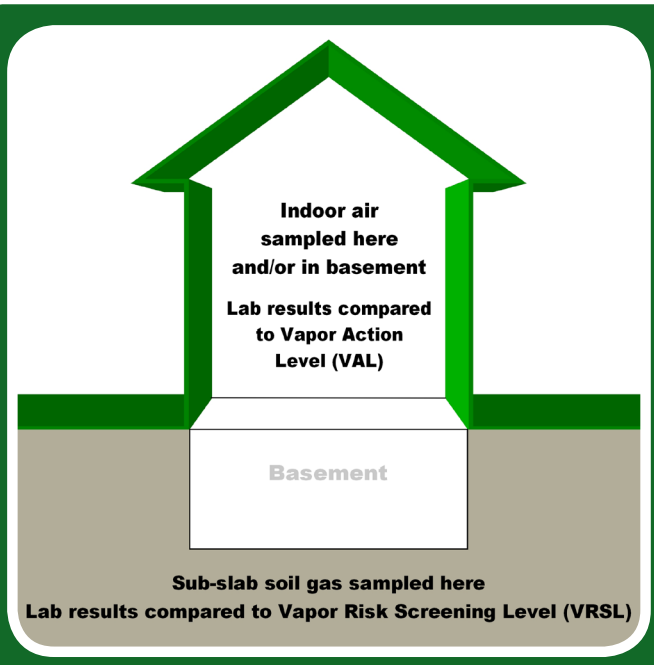
Indoor Air Testing Results

If indoor air samples were collected in your house or building, test results from the lab will be compared to the state Vapor Action Level (VAL) for chemicals of concern. The VAL is a chemical compound's numerical value that represents a health hazard risk to no more than 1 in 100,000 people during a lifetime of exposure. If test results show chemical concentrations in your air below the VAL then adverse health effects are extremely rare, even if you were to breathe the chemical at this concentration for your entire life.

Test results showing chemical concentrations in the air at or above the VAL prompt DNR to recommend that exposure to these chemical vapors be reduced. If test results show concentrations significantly above the VAL, or more than one type of chemical vapor is identified in your indoor air, the risk from exposure increases. If the concentration of any indoor chemical vapor greatly exceeds the VAL, DNR is concerned about even short-term exposure and will typically require immediate action to address the problem.

The VAL for each chemical is set by scientific research. It is protective of all people, including those who are most susceptible to adverse health effects.

If test results identify chemicals in your air that are not present in nearby soil or groundwater contamination, it is likely that these vapors are coming from some product or activity in or near your house or building. Many everyday consumer products (e.g., cleaners, solvents, polish, adhesives, lubricants, aerosols, insect repellants, etc.); combustion processes (e.g., smoking, home heating); fuels in attached garages; dry cleaned clothing or draperies; and occupant activities (e.g., craft hobbies), also release chemical vapors into the air.



The air and soil gas samples from your property are tested at a laboratory. Chemical concentrations are measured and the results are compared to state health-risk numbers.

Sub-slab Soil Gas Testing Results

Soil gas samples were collected from the ground beneath the concrete slab of your building foundation or basement. The lab measured the concentrations of various chemicals in these samples. DNR compares these measurements to the state Vapor Risk Screening Level (VRSL), which identifies the concentration of a chemical in soil gas that scientific research suggests can be a health risk if vapor enters a building. If soil gas measurements exceed the VRSL for a chemical of concern, action to reduce exposure is strongly recommended.

The VRSL is a higher number (higher chemical concentration) than the VAL because it is presumed that concrete building foundations and basement walls will prevent most soil gas from entering a building. Further, any soil gas that does enter a building through cracks, holes, sump pumps, drains, etc., will be diluted to some extent by the indoor air. So, people inside will not be breathing air that includes the full concentration of chemical vapors that exist in the ground.

Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
dnr.wi.gov, search "Brownfields"