



RTX
EH&S
4 Farm Springs Road
MS 04-01-04
Farmington, CT 06032
USA

October 29, 2024

Mr. Daniel and Mrs. Deanna Kochensparger
150 North Market Street
Andrews, Indiana 46702

RE: Laboratory Results of Indoor Air Samples – 150 North Market Street

Dear Mr. and Mrs. Kochensparger:

As you know, RTX Corporation (RTX), f/k/a Raytheon Technologies Corporation, installed two passive ventilation systems in your crawlspace to improve ventilation beneath your home on August 7, 2018. In April and May 2023, the passive ventilation system was converted into an active system with the installation of two inline exterior mounted mitigation fans. In addition, air purifying units were installed in your residence during December 2016 (with refinements to the units in 2017, 2021, and 2023). These actions were taken as part of the cleanup efforts related to past releases from its former subsidiary, United Technologies Automotive, on North Jackson Street in Andrews, Indiana. The work is being done through the Indiana Department of Environmental Management's (IDEM) Voluntary Remediation Program (VRP). Remediation activities at the site are currently addressing groundwater that contains cleaning solvents used in past manufacturing at the facility, including trichloroethene (TCE).

On September 11, 2024 Stantec Consulting Services Inc. (Stantec) collected samples of air from the first floor living area, kitchen, dining room, and crawlspace of your residence at 150 North Market Street in Andrews, Indiana (Structure 7). These samples were collected over an approximately 24-hour period and submitted to an independent laboratory (Eurofins Air Toxics in Folsom, CA) to be analyzed for the presence of volatile organic compounds (VOCs), which included TCE.

The results from the September 11, 2024 sampling event were as follows:

The laboratory analysis of the samples collected on September 11, 2024 detected the presence of following analytes all below the IDEM published screening level: TCE, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, and Vinyl Chloride. The laboratory results are presented in the attached table along with the laboratory report results for your further review.

We will contact you prior to our next sampling event and inspection of the vapor mitigation system and air purifying units installed in your home. It is recommended that the air purifying units continue to operate continuously. If you experience any problems with the air purifying units, please contact Stantec using the information below:

Stantec Consulting Services Inc.

Susan Hall - 317-294-7292 Or Jason Blasdel - 317-453-5381

Until then, please call me or Stantec if you have any questions. IDEM is also available to answer your questions related to the cleanup and testing. Our contact information is provided below:

RTX Corporation

Beth Lang
Associate Director, Remediation
Remediation Group
248-310-9261
beth.lang@rtx.com

Stantec Consulting Services Inc.

Susan Hall
Project Manager
317-294-7292
Susan.hall@stantec.com

Indiana Department of Environmental Management

Jeff Kavanaugh
Environmental Manager
Office of Land Quality
317-234-0970
jkavanau@idem.in.gov

We greatly appreciate your cooperation and patience with this work.

Sincerely,



Beth Lang
Associate Director

Enclosure (Laboratory Report)

cc: Jeff Kavanaugh, IDEM
Susan Hall, Stantec Consulting Services Inc.

TABLE – September 11, 2024 Sampling Results

Chemical Compound	IDEM Published Screening Level	Units	First Floor Indoor Air Structure 7 IA-1 2409531-01A	First Floor Indoor Air Structure 7 DUP-01* 2409531-05A	Kitchen Indoor Air Structure 7 IA-2 2409531-02A	Dining Room Indoor Air Structure 7 IA-3 2409531-03A	Crawlspace Air Structure 7 CSA-01 2409531-04A
1,1-Dichloroethene	200	µg/m ³	< 0.057	< 0.057	< 0.055	< 0.057	< 0.055
cis-1,2-Dichloroethene	40	µg/m ³	0.76	0.89	0.98	0.84	1.2
trans-1,2-Dichloroethene	40	µg/m ³	0.13 J	0.13 J	0.14 J	0.11 J	0.13 J
Trichloroethene	2	µg/m ³	0.52	0.51	0.41	0.46	0.33
Vinyl Chloride	2	µg/m ³	0.059	0.076	0.066	0.068	0.069

Note: “*” = A duplicate sample or co-located sample is an independent sample collected from the same location and at the same time as the primary sample.

“J” = Indicates an estimated value

MODIFIED EPA METHOD TO-15 GC/MS SIM
RTX - Andrews

Client ID:	Structure 7 IA - 1	Date/Time Analyzed:	10/6/24 12:40 AM
Lab ID:	2409531-01A	Dilution Factor:	1.45
Date/Time Collected:	9/11/24 09:06 AM	Instrument/Filename:	msd16.i / 16100509sim
Media:	6 Liter Summa Canister (100% SIM Ambient)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	75-35-4	0.026	0.046	0.057	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.0092	0.046	0.11	0.76
trans-1,2-Dichloroethene	156-60-5	0.020	0.046	0.57	0.13 J
Trichloroethene	79-01-6	0.021	0.062	0.16	0.52
Vinyl Chloride	75-01-4	0.014	0.030	0.037	0.059

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	101
4-Bromofluorobenzene	460-00-4	70-130	108
Toluene-d8	2037-26-5	70-130	96

MODIFIED EPA METHOD TO-15 GC/MS SIM
RTX - Andrews

Client ID:	Structure 7 IA - 2	Date/Time Analyzed:	10/6/24 01:29 AM
Lab ID:	2409531-02A	Dilution Factor:	1.38
Date/Time Collected:	9/11/24 09:11 AM	Instrument/Filename:	msd16.i / 16100510sim
Media:	6 Liter Summa Canister (100% SIM Ambient)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	75-35-4	0.025	0.044	0.055	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.0088	0.044	0.11	0.98
trans-1,2-Dichloroethene	156-60-5	0.019	0.044	0.55	0.14 J
Trichloroethene	79-01-6	0.020	0.059	0.15	0.41
Vinyl Chloride	75-01-4	0.013	0.028	0.035	0.066

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	106
Toluene-d8	2037-26-5	70-130	97

MODIFIED EPA METHOD TO-15 GC/MS SIM
RTX - Andrews

Client ID:	Structure 7 IA - 3	Date/Time Analyzed:	10/6/24 02:17 AM
Lab ID:	2409531-03A	Dilution Factor:	1.43
Date/Time Collected:	9/11/24 09:10 AM	Instrument/Filename:	msd16.i / 16100511sim
Media:	6 Liter Summa Canister (100% SIM Ambient)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	75-35-4	0.026	0.045	0.057	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.0091	0.045	0.11	0.84
trans-1,2-Dichloroethene	156-60-5	0.019	0.045	0.57	0.11 J
Trichloroethene	79-01-6	0.021	0.061	0.15	0.46
Vinyl Chloride	75-01-4	0.014	0.029	0.036	0.068

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	107
Toluene-d8	2037-26-5	70-130	98

MODIFIED EPA METHOD TO-15 GC/MS SIM
RTX - Andrews

Client ID:	Structure 7 CSA - 01	Date/Time Analyzed:	10/6/24 03:06 AM
Lab ID:	2409531-04A	Dilution Factor:	1.38
Date/Time Collected:	9/11/24 09:12 AM	Instrument/Filename:	msd16.i / 16100512sim
Media:	6 Liter Summa Canister (100% SIM Ambient)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	75-35-4	0.025	0.044	0.055	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.0088	0.044	0.11	1.2
trans-1,2-Dichloroethene	156-60-5	0.019	0.044	0.55	0.13 J
Trichloroethene	79-01-6	0.020	0.059	0.15	0.33
Vinyl Chloride	75-01-4	0.013	0.028	0.035	0.069

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	103
4-Bromofluorobenzene	460-00-4	70-130	108
Toluene-d8	2037-26-5	70-130	97

MODIFIED EPA METHOD TO-15 GC/MS SIM
RTX - Andrews

Client ID:	Structure 7 Dup-01	Date/Time Analyzed:	10/6/24 03:55 AM
Lab ID:	2409531-05A	Dilution Factor:	1.45
Date/Time Collected:	9/11/24 12:00 AM	Instrument/Filename:	msd16.i / 16100513sim
Media:	6 Liter Summa Canister (100% SIM Ambient)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1-Dichloroethene	75-35-4	0.026	0.046	0.057	Not Detected
cis-1,2-Dichloroethene	156-59-2	0.0092	0.046	0.11	0.89
trans-1,2-Dichloroethene	156-60-5	0.020	0.046	0.57	0.13 J
Trichloroethene	79-01-6	0.021	0.062	0.16	0.51
Vinyl Chloride	75-01-4	0.014	0.030	0.037	0.076

J = Estimated value.

D: Analyte not within the DoD scope of accreditation.

Surrogates	CAS#	Limits	% Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	102
4-Bromofluorobenzene	460-00-4	70-130	109
Toluene-d8	2037-26-5	70-130	97



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