

January 8, 2020

Kimberly Baptiste
Bergmann Architects, Engineers, Planners
280 East Broad Street
Rochester, NY 14604

**Subject: Soil Vapor Intrusion Sampling Results
201-211 West Dominick Street
Lu Project #50378**

Dear Ms. Baptiste,

This letter provides a summary of the soil vapor intrusion (SVI) evaluation completed on December 11, 2019 at the above-referenced Site. This evaluation was completed as specified by request from the City of Rome.

Soil Vapor Intrusion Sampling

Sampling was conducted in accordance with New York State Department of Health (NYSDOH) *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006, revised May 2017) Section 2.7.3. Three (3) samples were collected over an 8-hour period on December 11, 2019. The following samples were collected:

- Sub-slab sample in the basement (SS-01)
- Indoor ambient air sample in the basement (IA-01)
- Outdoor ambient air sample (OA-01)

The outdoor ambient air sample was collected from an upwind location to evaluate background conditions. Sample locations are shown on the NYSDOH Indoor Air Quality Questionnaire and Building Inventory form provided as Attachment A.

Prior to sampling, a NYSDOH Indoor Air Quality Questionnaire and inventory form were completed. Background readings were collected with a ppb RAE photoionization detector (PID) capable of detecting volatile organic compounds (VOCs) in the part per billion (ppb) range, expressed herein as micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Background readings were recorded on the SUMMA Canister Field Data Sheet (Attachment A) and are detailed in the following table.

Location	PID Reading (ppb)
Basement	Not Detected
First floor	Not Detected
Outside	Not Detected

Soil vapor and indoor air samples were collected in one-liter stainless steel SUMMA[®] canisters equipped with low-flow regulators. The canisters were certified pre-cleaned by Centek Laboratories, LLC, an ELAP-certified analytical laboratory. Samples were analyzed for VOCs by EPA Method TO-15. Results of the SVI sampling are discussed below.

Results

A total of three (3) samples were collected during this investigation and submitted to Centek Laboratories, LLC for analysis. Laboratory reports are provided in Attachment C. The results were compared to applicable NYSDOH decision matrices.

Four (4) of the eight (8) compounds listed in the NYSDOH Soil Vapor/Indoor Air Matrix A, B, and C (NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* decision matrices revised May 2017) were detected in sub-slab soil vapor and indoor air samples:

- 1,1,1-Trichloroethane- detected in SS-01 (3.8 ug/m³) and was not detected in IA-01. According to Matrix B, no further action is needed.
- Carbon tetrachloride-detected in SS-01 (7.6 ug/m³) and was not detected in IA-01. According to Matrix A, no further action is needed.
- Methylene chloride- detected in SS-01 (1.1 ug/m³), IA-01 (30.74 ug/m³) and the outdoor sample (0.52 ug/m³). Methylene chloride is predominantly used as a solvent in paint strippers and removers and as a propellant in aerosols for products such as paint, automotive products and insect sprays. It is a common laboratory artifact, and is also used in general cleaning products. According to Matrix B, no further action is required.
- Tetrachloroethene- detected in the SS-01 (1.7 ug/m³) and the outdoor sample (1.6 ug/m³). It was not detected in IA-01. According to Matrix B, no further action is required.
- The remaining four (4) compounds identified on the NYSDOH Soil Vapor/Indoor Air Matrix A, B, and C (1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, and vinyl chloride) were not detected in any of the samples.

Petroleum and non-petroleum related compounds were detected, as shown in the attached table. Since there are no NYSDOH guidance values for these compounds in indoor air, the detections are compared to estimates of background levels from comprehensive studies where air samples were collected in homes, offices, and outdoor areas. The background databases that are used for evaluating indoor and outdoor air data are:

- *Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes, NYSDOH 2003*. Indoor and outdoor air data collected from 104 single-family fuel oil heated homes across New York State.
- *Building Assessment and Survey Evaluation (BASE) Database, EPA 2001*. Study data from 100 randomly selected public and commercial office buildings.

The values published in the databases are representative of fuel-oil heated homes and conventional office buildings. The databases provide a method to evaluate sample data since there are no petroleum-related VOC guidance values applicable to occupied buildings provided by NYSDOH.



The following table summarizes compounds detected in samples, collected on December 11, 2019.

Compound	Sample ID and Detected Value (ug/m ³)	NYSDOH Range for Indoor Air Quality (ug/m ³)	NYSDOH Range for Outdoor Air Quality (ug/m ³)	Concern	Characteristics and/or Common Uses
<i>Petroleum-related</i>					
1,2,4-trimethylbenzene	SS-01: 3.9 OA-1: 1.8	0.7 - 4.3	< 0.25 - 0.8	None; SS-01 is within the indoor air quality range and not detected in the IA sample	Colorless aromatic hydrocarbon; used in paint and coating additives
1,3,5-trimethylbenzene	SS-01: 1.5 OA-1: 0.54	0.3 - 1.7	< 0.25 - 0.3	None; SS-01 is within the indoor air quality range and not detected in the IA sample	Aromatic hydrocarbon and volatile organic carbon; used in solvents and thinners
2,2,4-trimethylpentane	SS-01: 31.7 OA-1: 0.61	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Manufacture, use and disposal of products associated with the petroleum and gasoline industry
4-ethyltoluene	SS-01: 0.93 OA-1: 0.49	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Colorless liquid used for the production of specialty polystyrenes
Benzene	SS-01: 41 IA-01: 0.54 OA-1: 1.4	1.1 - 5.9	0.6 - 2.2	None; SS-01 exceeds the indoor air quality range; however the IA-01 and OA-01 are within the indoor and outdoor air quality ranges	Industrial solvent in paints, varnishes, lacquer thinners; component of gasoline
Cyclohexane	SS-01: 91.0 OA-01: 1	< 0.25 - 2.6	< 0.25 - 0.4	None; SS-01 exceeds the indoor air quality range however, the compound was not detected in the IA sample	Colorless liquid with a sweet odor; used in adhesives and sealant chemicals
Ethylbenzene	SS-01: 11.0 OA-01: 9.1	0.4 - 2.8	< 0.25 - 0.5	None; SS-01 exceeds the indoor air quality range however, the compound was not detected in the IA sample	Colorless, flammable liquid found in coal tar and petroleum; found in manufactured products such as inks, insecticides, and paints



Compound	Sample ID and Detected Value (ug/m ³)	NYSDOH Range for Indoor Air Quality (ug/m ³)	NYSDOH Range for Outdoor Air Quality (ug/m ³)	Concern	Characteristics and/or Common Uses
Heptane	SS-01: 93 OA-01: 1.2	1 - 7.6	< 0.25 - 1.9	None; SS-01 exceeds the indoor air quality range however, the compound was not detected in the IA sample	Clear liquid with a gasoline-like odor; used as a paint and coating additive, solvent, and in adhesives and sealants
Hexane	SS-01: 150 IA-01: 0.42 OA-1: 2	0.6 - 5.9	< 0.25 - 1	None; SS-01 exceeds the indoor air quality range; however the IA-01 and OA-01 are within the indoor and outdoor air quality ranges	Colorless liquid used as a solvent, paint thinner and chemical reaction medium
m,p Xylene	SS-01: 17 OA-1: 13	0.5 - 4.6	< 0.25 - 0.5	None; SS-01 exceeds the indoor air quality range however, the compound was not detected in the IA sample	Used as solvents in products such as paints and coatings
o-Xylene	SS-01: 7.6 OA-1: 4.9	0.4 - 3.1	< 0.25 - 0.6	None; SS-01 exceeds the indoor air quality range however, the compound was not detected in the IA sample	
Styrene	SS-01: 12 OA-1: 8.7	< 0.25 - 0.6	< 0.25	None; SS-01 exceeds the indoor air quality range however, the compound was not detected in the IA sample	Used in the production of polystyrene plastics and resins



Compound	Sample ID and Detected Value (ug/m ³)	NYSDOH Range for Indoor Air Quality (ug/m ³)	NYSDOH Range for Outdoor Air Quality (ug/m ³)	Concern	Characteristics and/or Common Uses
Toluene	SS-01: 78 IA-01: 1.2 OA-1: 2.6	3.5 - 25	0.6 - 2.4	None; SS-01 exceeds the indoor air quality range; however the IA-01 and OA-01 are within the indoor and outdoor air quality ranges	Component in several paints, primers, and adhesive products
<i>Non-petroleum-related</i>					
Trans-1,2-dichloroethene	SS-01: 1.1 IA-01: 3	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Highly flammable, colorless liquid with a sharp, harsh odor; by-product of vinyl chloride manufacturing with few industrial applications
1,4-dioxane	SS-01: 1.9 OA-01: 2.6	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Clear liquid used as a stabilizer for chlorinated solvents
Acetone	SS-01: 170 IA-01: 0.78 OA-01: 1.3	9.9 - 52	3.4 - 14	None; SS-01 exceeds the indoor air quality range; however the IA-01 and OA-01 are within the indoor and outdoor air quality ranges	Colorless liquid volatile organic compound used in the manufacture of industrial products and/or plastic; degreaser for textiles; biodegradation product in the environment
Carbon disulfide	SS-01:21	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Colorless liquid used in some pesticides; to make rayon and cellophane; associated with tire production and dissolving rubber
Chloroform	SS-01:46 IA-01:0.78	< 0.25-.5	< 0.25-< 0.25	SS-01 and IA-01 exceed the indoor and outdoor air ranges	Clear colorless liquid used as a solvent to make other chemicals; used as a fumigant
Chloromethane	IA-01:0.99 OA-01:1.2	< 0.25 – 1.8	< 0.25 – 1.8	None, IA-01 and OA-01 are within the indoor and outdoor air ranges	Local anesthetic; historically used as refrigerants and aerosol can propellants



Compound	Sample ID and Detected Value (ug/m ³)	NYSDOH Range for Indoor Air Quality (ug/m ³)	NYSDOH Range for Outdoor Air Quality (ug/m ³)	Concern	Characteristics and/or Common Uses
Ethyl acetate	SS-01: 1.1	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Used as an industrial solvent.
Freon 11	SS-01:22 IA-01:2.5 OA-01:1.5	1.1 – 5.4	< 0.25 – 2.2	None, SS-01 exceeds the indoor air range, however the IA-01 and OA-01 are within the indoor and outdoor air ranges	Chlorofluorocarbons (CFCs) historically used as refrigerants and aerosol can propellants Chlorofluorocarbons (CFCs) historically used as refrigerants and aerosol can propellants
Freon 12	SS-01:35 IA-01:3 OA-01:2.9	< 0.25 – 4.1	< 0.25 – 4.2		
Isopropyl alcohol	SS-01:21 IA-01:1.3 OA-01:2.1	Not Applicable	Not Applicable	None; there are no guidance values for this compound	Common antiseptic used in soaps and lotions
Methyl ethyl ketone (MEK or 2-butanone)	SS-01: 9.1 IA-01:0.74 OA-01: 1.4	1.4 - 7.3	0.8 - 2.6	None, SS-01 exceeds the indoor air range, however the IA-01 and OA-01 are within the indoor and outdoor air ranges	Occurs in nature as a biodegradation product and used as a solvent

Conclusions & Recommendations

Chloroform was the only compound detected in the indoor air sample (1.8 ug/m³) that exceeded the NYSDOH indoor air range (<.25-.5 ug/m³). The majority of the compounds detected in SS-01 exceeding the NYSDOH indoor air range are petroleum related. Several of these compounds were detected in the outdoor sample as well but were not detected above guidance values in IA-01.

According to the NYSDOH SVI Matrix A and B, the compounds detected indicate that no further action is needed at the Site at this time.

The project site is free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances which could affect the health and safety of occupants or users or conflict with the intended utilization of the property. I, Janet M. Bissi, certify that I am an environmental professional as per ASTM 1527.” to the conclusion of your Soil Vapor Intrusion Sampling Results Report I would greatly appreciate it.

If you have any questions or comments, please contact Lu Engineers.



Sincerely,

Handwritten signature of Janet M. Bissi in blue ink, followed by the text "CHMM".

Janet M. Bissi
Environmental Scientist

Handwritten signature of Gregory Andrus in blue ink.

Gregory Andrus
Investigation and Remediation Group Leader

Enclosure(s): Table 1 – Summary of Air Sampling Results
Attachment A – Field Logs & NYSDOH Questionnaire
Attachment B – Analytical Reports



Table 1

SVI Sample Results
201-211 West Dominick Street
City of Rome

	NYSDOH Background ¹		NYSDOH Matrix A, B, C ³	Sub-slab Soil Vapor (SS-01)	Indoor (IA-01)	Outdoor (OA-1)
	Indoor ²	Outdoor ²				
Petroleum Related						
1,2,4-Trimethylbenzene	0.7 - 4.3	< 0.25 - 0.8	NA	3.9	ND	1.8
1,3,5-Trimethylbenzene	0.3 - 1.7	< 0.25 - 0.3	NA	1.5	ND	0.54
2,2,4-Trimethylpentane	NA	NA	NA	1.7	ND	0.61
4-ethyltoluene	NA	NA	NA	0.93	ND	0.49
Benzene	1.1 - 5.9	0.6 - 2.2	NA	41	0.54	1.4
Cyclohexane	< 0.25 - 2.6	< 0.25 - 0.4	NA	91.0	ND	1
Ethylbenzene	0.4 - 2.8	< 0.25 - 0.5	NA	11.0	ND	9.1
Heptane	1 - 7.6	< 0.25 - 1.9	NA	93	ND	1.2
Hexane	0.6 - 5.9	< 0.25 - 1	NA	150	0.42	2
m&p-Xylene	0.5 - 4.6	< 0.25 - 0.5	NA	17	ND	13
o-Xylene	0.4 - 3.1	< 0.25 - 0.6	NA	7.6	ND	4.9
Styrene	< 0.25 - 0.6	< 0.25	NA	12	ND	8.7
Toluene	3.5 - 25	0.6 - 2.4	NA	78	1.2	2.6
Non-petroleum Related						
1,1-Dichloroethene	< 0.25	< 0.25	No Further Action	ND	ND	ND
1,1,1-Trichloroethane	< 0.25-1.1	< 0.25-0.3	No Further Action	3.8	ND	ND
cis-1,2-Dichloroethene	< 0.25	< 0.25	No Further Action	ND	ND	ND
trans-1,2-Dichloroethene	NA	NA	NA	1.1	3	ND
1,4 Dioxane	NA	NA	NA	1.9	ND	2.6
Acetone	9.9 - 52	3.4 - 14	NA	170	0.78	1.3
Carbon Disulfide	NA	NA	NA	21	ND	ND
Carbon Tetrachloride	< 0.25 - 0.6	< 0.25 - 0.6	No Further Action	7.6	ND	ND
Chloroform	< 0.25-5	< 0.25-< 0.25	NA	46	1.8	ND
Chloroethane	< 0.25-< 0.25	< 0.25-< 0.25	NA	ND	ND	ND
Chloromethane	< 0.25 - 1.8	< 0.25 - 1.8	NA	ND	0.99	1.2
Ethyl acetate	NA	NA	NA	1.1	ND	ND
Freon 11	1.1 - 5.4	< 0.25 - 2.2	NA	22	2.5	1.5
Freon 114	NA	NA	NA	ND	ND	ND
Freon 12	< 0.25 - 4.1	< 0.25 - 4.2	NA	35	3	2.9
Isopropyl alcohol	NA	NA	NA	21	1.3	2.1
Methylene Chloride	0.3 - 6.6	< 0.25 - 0.7	No Further Action	1.1	0.5	0.52
Methyl Butyl Ketone	NA	NA	NA	ND	ND	ND
Methyl Ethyl Ketone	1.4 - 7.3	0.8 - 2.6	NA	9.1	0.74	1.4
Methyl Isobutyl Ketone	< 0.25-0.9	< 0.25-0.9	NA	ND	ND	0.82
Tetrahydrofuran	< 0.25 - 0.4	<0.25	NA	ND	ND	ND
Tetrachloroethene	< 0.25-1.1	< 0.25-0.3	No Further Action	1.7	ND	1.6
Trichloroethene	< 0.25	< 0.25	No Further Action	ND	ND	ND
Vinyl chloride	< 0.25	< 0.25	No Further Action	ND	ND	ND

¹Summary of Indoor and Outdoor Levels of Volatile Organic Compounds From Fuel Oil Heated Homes in NYS, 1997 to 2003. Unpublished. New York State Department of Health, Bureau of Toxic Substance Assessment. http://www.nyhealth.gov/environmental/indoors/air/fuel_oil.htm

²The ranges provided in the table represent the 25th percentile to 75th percentile, (middle half), of the results and are labeled as background. A single value is the minimum reporting limit for that compound, and indicates that more than 75% of the data are below the detection limit. This database is comprised of air testing results from homes where there were no known sources of chemicals or chemical spills.

³NYSDOH Soil Vapor/Indoor Air Matrix A, B, and C revised May 2017

Note: all values presented in ug/m³

ND – Not Detected

J-Estimate

< Means "less than." The number following a "less than sign" (<) is the lowest level the laboratory test can reliably measure (reporting limit).

NA – Not Available

BOLD- Matix

Exceedence

Appendix A- Field Logs and NYSDOH Questionnaire

SUMMA Canister Field Data Sheet

Project Name: <u>201-211 West Dominick Street</u>	Date: <u>12/11/19</u>
Project #: <u>50378-05</u>	Sampler(s): <u>GLA and BGS</u>
Sampling Location: <u>Basement</u>	

Sub-Slab Vapor Sample		Indoor Air Sample		Indoor Air Sample	
Sample ID:	SS-01	Sample ID:	IA-01	Sample ID:	IA-02
Can #:	188	Can #:	237	Can #:	360
Regulator #:	250	Regulator #:	172	Regulator #:	292
Start Date/Time:	12/11/19 9:25am	Start Date/Time:	12/11/19 9:26am	Start Date/Time:	12/11/19 9:29am
Start Pressure:	30	Start Pressure:	30	Start Pressure:	30
Stop Date/Time:	12/11/19 5:15pm	Stop Date/Time:	12/11/19 5:17pm	Stop Date/Time:	12/11/19 5:20pm
Stop Pressure:	0	Stop Pressure:	-1	Stop Pressure:	0
Slab Thickness:	2in	Location:	Basement	Location:	outside
Floor Surface:	concrete	Indoor Air Temp:		Indoor Air Temp:	
Odors?:		Odors?:		Odors?:	
PID Reading (ppb):	0	PID Reading (ppb):	0	PID Reading (ppb):	0

Comments/Location Sketch:

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Ben Seibert Date/Time Prepared 12/11/19 09:35

Preparer's Affiliation Lv Engineers Phone No. (585) 385-7417

Purpose of Investigation _____

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

- | | | |
|--------------|-----------------|-------------------|
| Ranch | 2-Family | 3-Family |
| Raised Ranch | Split Level | Colonial |
| Cape Cod | Contemporary | Mobile Home |
| Duplex | Apartment House | Townhouses/Condos |
| Modular | Log Home | Other: _____ |

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Office

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2

Building age 66

Is the building insulated? Y / N

How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick
- b. Basement type: full crawlspace slab other (split-level)
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y N not applicable

Basement/Lowest level depth below grade: _____ (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Trenches have been cut into the floor + slabs removed ~4' x 4'.
Abandoned borings observed

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

- Hot air circulation Heat pump Hot water baseboard
- Space Heaters Stream radiation Radiant floor
- Electric baseboard Wood stove Outdoor wood boiler Other _____

The primary type of fuel used is:

- Natural Gas Fuel Oil Kerosene
- Electric Propane Solar
- Wood Coal

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Four horizontal lines for describing ductwork.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Table with 2 columns: Level, General Use of Each Floor. Rows for Basement, 1st Floor, 2nd Floor, 3rd Floor, 4th Floor. Handwritten entries: unoccupied, offices, offices.

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- a. Is there an attached garage? Y / (N)
b. Does the garage have a separate heating unit? Y / N / (NA)
c. Are petroleum-powered machines or vehicles stored in the garage... Y / N / (NA) Please specify
d. Has the building ever had a fire? Y / N When?
e. Is a kerosene or unvented gas space heater present? Y / (N) Where?
f. Is there a workshop or hobby/craft area? Y / N Where & Type?
g. Is there smoking in the building? Y / (N) How frequently?
h. Have cleaning products been used recently? Y / (N) When & Type?
i. Have cosmetic products been used recently? Y / (N) When & Type?

- j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____
- k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____
- l. Have air fresheners been used recently? Y / N When & Type? _____
- m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
- n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____
- o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N
- p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
 If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
 (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
 Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home _____ relocate to friends/family _____ relocate to hotel/motel _____

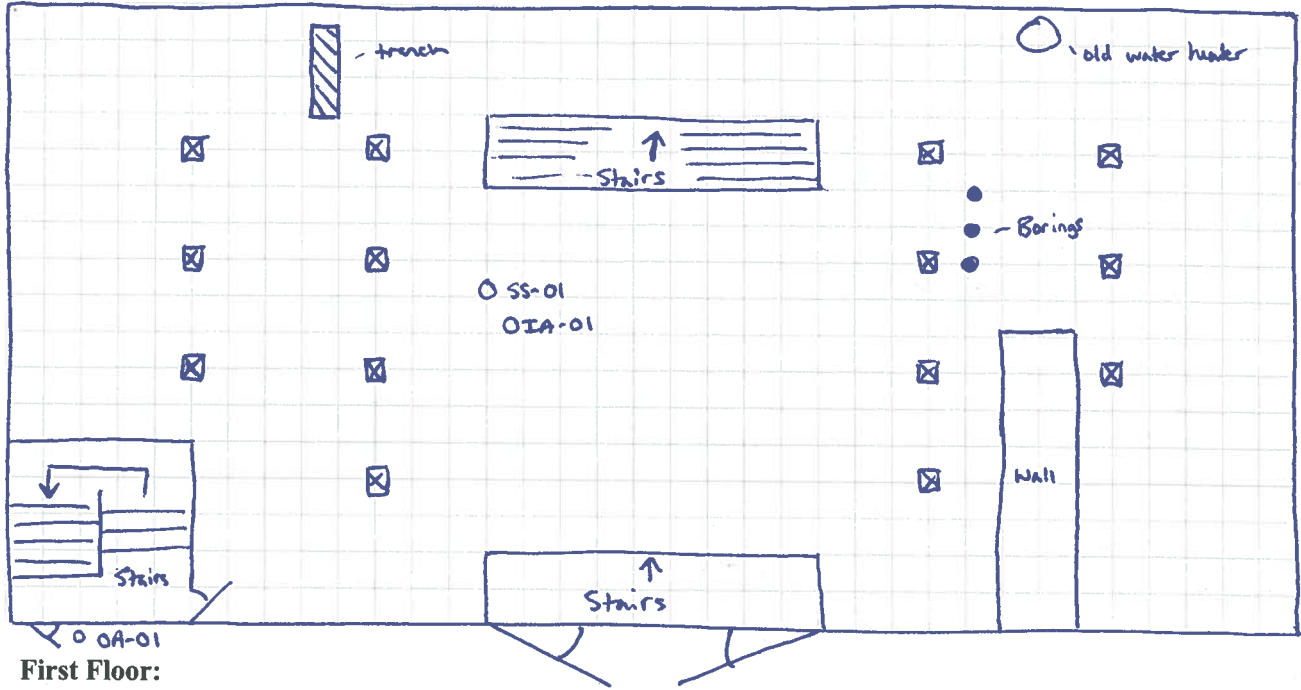
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

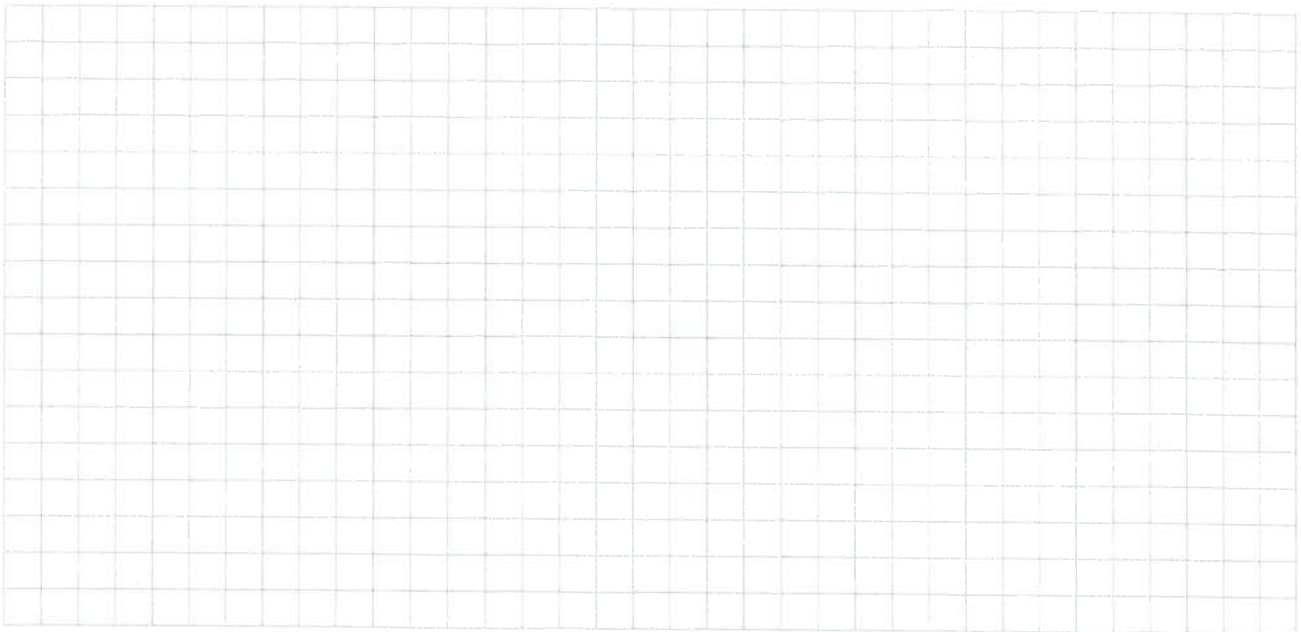
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



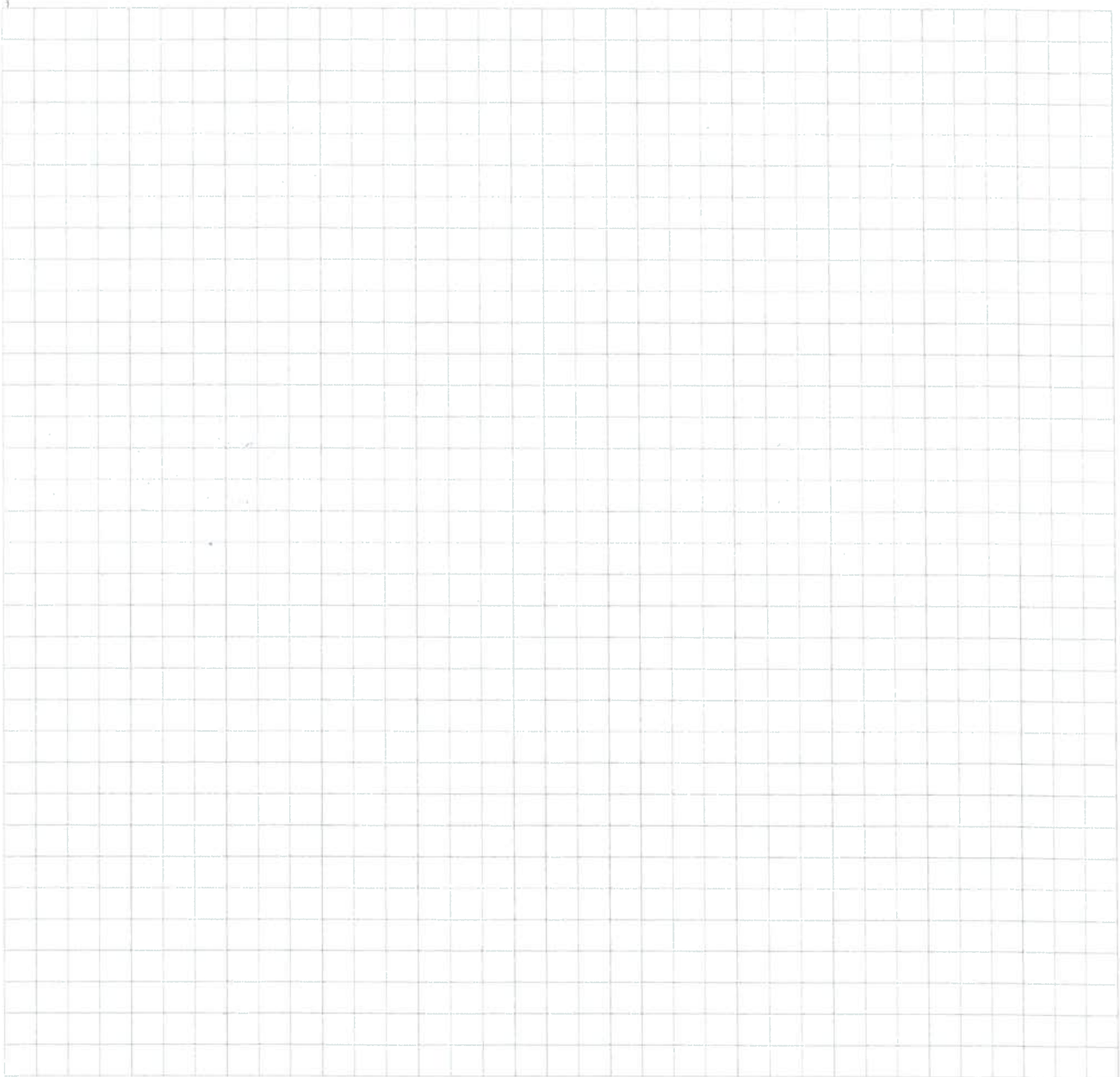
First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



Appendix B- Analytical Results

Centek Laboratories, LLC

Date: 23-Dec-19

CLIENT: Lu Engineers
Lab Order: C1912035
Project: Rome BOA SVI
Lab ID: C1912035-001A

Client Sample ID: SS-01
Tag Number: 188,250
Collection Date: 12/11/2019
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	3.8	0.82		ug/m3	1	12/18/2019 4:11:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	12/18/2019 4:11:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	12/18/2019 4:11:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	12/18/2019 4:11:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	12/18/2019 4:11:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	12/18/2019 4:11:00 PM
1,2,4-Trimethylbenzene	3.9	0.74		ug/m3	1	12/18/2019 4:11:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	12/18/2019 4:11:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 4:11:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	12/18/2019 4:11:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	12/18/2019 4:11:00 PM
1,3,5-Trimethylbenzene	1.5	0.74		ug/m3	1	12/18/2019 4:11:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	12/18/2019 4:11:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 4:11:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 4:11:00 PM
1,4-Dioxane	1.9	1.1		ug/m3	1	12/18/2019 4:11:00 PM
2,2,4-trimethylpentane	1.7	0.70		ug/m3	1	12/18/2019 4:11:00 PM
4-ethyltoluene	0.93	0.74		ug/m3	1	12/18/2019 4:11:00 PM
Acetone	170	28		ug/m3	40	12/18/2019 8:44:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	12/18/2019 4:11:00 PM
Benzene	41	4.8		ug/m3	10	12/18/2019 7:59:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	12/18/2019 4:11:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	12/18/2019 4:11:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	12/18/2019 4:11:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	12/18/2019 4:11:00 PM
Carbon disulfide	21	4.7		ug/m3	10	12/18/2019 7:59:00 PM
Carbon tetrachloride	7.6	0.94		ug/m3	1	12/18/2019 4:11:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	12/18/2019 4:11:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	12/18/2019 4:11:00 PM
Chloroform	46	7.3		ug/m3	10	12/18/2019 7:59:00 PM
Chloromethane	< 0.31	0.31		ug/m3	1	12/18/2019 4:11:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	12/18/2019 4:11:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	12/18/2019 4:11:00 PM
Cyclohexane	91	21		ug/m3	40	12/18/2019 8:44:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	12/18/2019 4:11:00 PM
Ethyl acetate	1.1	0.54		ug/m3	1	12/18/2019 4:11:00 PM
Ethylbenzene	11	6.5		ug/m3	10	12/18/2019 7:59:00 PM
Freon 11	22	8.4		ug/m3	10	12/18/2019 7:59:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	12/18/2019 4:11:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	12/18/2019 4:11:00 PM

Qualifiers:	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

Centek Laboratories, LLC

Date: 23-Dec-19

CLIENT: Lu Engineers
Lab Order: C1912035
Project: Rome BOA SVI
Lab ID: C1912035-001A

Client Sample ID: SS-01
Tag Number: 188,250
Collection Date: 12/11/2019
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15		Analyst: RJP		
Freon 12	35	7.4		ug/m3	10	12/18/2019 7:59:00 PM
Heptane	93	25		ug/m3	40	12/18/2019 8:44:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	12/18/2019 4:11:00 PM
Hexane	150	21		ug/m3	40	12/18/2019 8:44:00 PM
Isopropyl alcohol	21	3.7		ug/m3	10	12/18/2019 7:59:00 PM
m&p-Xylene	17	13		ug/m3	10	12/18/2019 7:59:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	12/18/2019 4:11:00 PM
Methyl Ethyl Ketone	9.1	8.8		ug/m3	10	12/18/2019 7:59:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	12/18/2019 4:11:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	12/18/2019 4:11:00 PM
Methylene chloride	1.1	0.52		ug/m3	1	12/18/2019 4:11:00 PM
o-Xylene	7.6	0.65		ug/m3	1	12/18/2019 4:11:00 PM
Propylene	< 0.26	0.26		ug/m3	1	12/18/2019 4:11:00 PM
Styrene	12	6.4		ug/m3	10	12/18/2019 7:59:00 PM
Tetrachloroethylene	1.7	1.0		ug/m3	1	12/18/2019 4:11:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	12/18/2019 4:11:00 PM
Toluene	78	23		ug/m3	40	12/18/2019 8:44:00 PM
trans-1,2-Dichloroethene	1.1	0.59		ug/m3	1	12/18/2019 4:11:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	12/18/2019 4:11:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	12/18/2019 4:11:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	12/18/2019 4:11:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	12/18/2019 4:11:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	12/18/2019 4:11:00 PM

Qualifiers:	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

Centek Laboratories, LLC

Date: 23-Dec-19

CLIENT: Lu Engineers
Lab Order: C1912035
Project: Rome BOA SVI
Lab ID: C1912035-002A

Client Sample ID: IA-01
Tag Number: 237,172
Collection Date: 12/11/2019
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	12/18/2019 2:37:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	12/18/2019 2:37:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	12/18/2019 2:37:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	12/18/2019 2:37:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	12/18/2019 2:37:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	12/18/2019 2:37:00 PM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	12/18/2019 2:37:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	12/18/2019 2:37:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 2:37:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	12/18/2019 2:37:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	12/18/2019 2:37:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	12/18/2019 2:37:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	12/18/2019 2:37:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 2:37:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 2:37:00 PM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	12/18/2019 2:37:00 PM
2,2,4-trimethylpentane	< 0.70	0.70		ug/m3	1	12/18/2019 2:37:00 PM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	12/18/2019 2:37:00 PM
Acetone	0.78	0.71		ug/m3	1	12/18/2019 6:29:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	12/18/2019 2:37:00 PM
Benzene	0.54	0.48		ug/m3	1	12/18/2019 2:37:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	12/18/2019 2:37:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	12/18/2019 2:37:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	12/18/2019 2:37:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	12/18/2019 2:37:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	12/18/2019 2:37:00 PM
Carbon tetrachloride	< 0.19	0.19		ug/m3	1	12/18/2019 2:37:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	12/18/2019 2:37:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	12/18/2019 2:37:00 PM
Chloroform	1.8	0.73		ug/m3	1	12/18/2019 2:37:00 PM
Chloromethane	0.99	0.31		ug/m3	1	12/18/2019 2:37:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	12/18/2019 2:37:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	12/18/2019 2:37:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	12/18/2019 2:37:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	12/18/2019 2:37:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	12/18/2019 2:37:00 PM
Ethylbenzene	< 0.65	0.65		ug/m3	1	12/18/2019 2:37:00 PM
Freon 11	2.5	0.84		ug/m3	1	12/18/2019 2:37:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	12/18/2019 2:37:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	12/18/2019 2:37:00 PM

Qualifiers:	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

Centek Laboratories, LLC

Date: 23-Dec-19

CLIENT: Lu Engineers
Lab Order: C1912035
Project: Rome BOA SVI
Lab ID: C1912035-002A

Client Sample ID: IA-01
Tag Number: 237,172
Collection Date: 12/11/2019
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15		Analyst: RJP		
Freon 12	3.0	0.74		ug/m3	1	12/18/2019 2:37:00 PM
Heptane	< 0.61	0.61		ug/m3	1	12/18/2019 2:37:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	12/18/2019 2:37:00 PM
Hexane	0.42	0.53	J	ug/m3	1	12/18/2019 2:37:00 PM
Isopropyl alcohol	1.3	0.37		ug/m3	1	12/18/2019 6:29:00 PM
m&p-Xylene	< 1.3	1.3		ug/m3	1	12/18/2019 2:37:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	12/18/2019 2:37:00 PM
Methyl Ethyl Ketone	0.74	0.88	J	ug/m3	1	12/18/2019 2:37:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2		ug/m3	1	12/18/2019 2:37:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	12/18/2019 2:37:00 PM
Methylene chloride	0.49	0.52	J	ug/m3	1	12/18/2019 2:37:00 PM
o-Xylene	< 0.65	0.65		ug/m3	1	12/18/2019 2:37:00 PM
Propylene	< 0.26	0.26		ug/m3	1	12/18/2019 2:37:00 PM
Styrene	< 0.64	0.64		ug/m3	1	12/18/2019 2:37:00 PM
Tetrachloroethylene	< 1.0	1.0		ug/m3	1	12/18/2019 2:37:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	12/18/2019 2:37:00 PM
Toluene	1.2	0.57		ug/m3	1	12/18/2019 2:37:00 PM
trans-1,2-Dichloroethene	3.0	0.59		ug/m3	1	12/18/2019 2:37:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	12/18/2019 2:37:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	12/18/2019 2:37:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	12/18/2019 2:37:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	12/18/2019 2:37:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	12/18/2019 2:37:00 PM

Qualifiers:	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit

Centek Laboratories, LLC

Date: 23-Dec-19

CLIENT: Lu Engineers
Lab Order: C1912035
Project: Rome BOA SVI
Lab ID: C1912035-003A

Client Sample ID: OA-01
Tag Number: 360,292
Collection Date: 12/11/2019
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	12/18/2019 3:24:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	12/18/2019 3:24:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	12/18/2019 3:24:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	12/18/2019 3:24:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	12/18/2019 3:24:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	12/18/2019 3:24:00 PM
1,2,4-Trimethylbenzene	1.8	0.74		ug/m3	1	12/18/2019 3:24:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	12/18/2019 3:24:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 3:24:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	12/18/2019 3:24:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	12/18/2019 3:24:00 PM
1,3,5-Trimethylbenzene	0.54	0.74	J	ug/m3	1	12/18/2019 3:24:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	12/18/2019 3:24:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 3:24:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	12/18/2019 3:24:00 PM
1,4-Dioxane	2.6	1.1		ug/m3	1	12/18/2019 3:24:00 PM
2,2,4-trimethylpentane	0.61	0.70	J	ug/m3	1	12/18/2019 3:24:00 PM
4-ethyltoluene	0.49	0.74	J	ug/m3	1	12/18/2019 3:24:00 PM
Acetone	1.3	0.71		ug/m3	1	12/18/2019 7:14:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	12/18/2019 3:24:00 PM
Benzene	1.4	0.48		ug/m3	1	12/18/2019 3:24:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	12/18/2019 3:24:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	12/18/2019 3:24:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	12/18/2019 3:24:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	12/18/2019 3:24:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	12/18/2019 3:24:00 PM
Carbon tetrachloride	< 0.19	0.19		ug/m3	1	12/18/2019 3:24:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	12/18/2019 3:24:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	12/18/2019 3:24:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	12/18/2019 3:24:00 PM
Chloromethane	1.2	0.31		ug/m3	1	12/18/2019 3:24:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	12/18/2019 3:24:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	12/18/2019 3:24:00 PM
Cyclohexane	1.0	0.52		ug/m3	1	12/18/2019 3:24:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	12/18/2019 3:24:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	12/18/2019 3:24:00 PM
Ethylbenzene	9.1	0.65		ug/m3	1	12/18/2019 3:24:00 PM
Freon 11	1.5	0.84		ug/m3	1	12/18/2019 3:24:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	12/18/2019 3:24:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	12/18/2019 3:24:00 PM

Qualifiers: SC Sub-Contracted . Results reported are not blank corrected
 B Analyte detected in the associated Method Blank E Estimated Value above quantitation range
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limit
 JN Non-routine analyte. Quantitation estimated. ND Not Detected at the Limit of Detection
 S Spike Recovery outside accepted recovery limits DL Detection Limit

Centek Laboratories, LLC

Date: 23-Dec-19

CLIENT: Lu Engineers
Lab Order: C1912035
Project: Rome BOA SVI
Lab ID: C1912035-003A

Client Sample ID: OA-01
Tag Number: 360,292
Collection Date: 12/11/2019
Matrix: AIR

Analyses	Result	DL	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE			TO-15			Analyst: RJP
Freon 12	2.9	0.74		ug/m3	1	12/18/2019 3:24:00 PM
Heptane	1.2	0.61		ug/m3	1	12/18/2019 3:24:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	12/18/2019 3:24:00 PM
Hexane	2.0	0.53		ug/m3	1	12/18/2019 3:24:00 PM
Isopropyl alcohol	2.1	0.37		ug/m3	1	12/18/2019 3:24:00 PM
m&p-Xylene	13	1.3		ug/m3	1	12/18/2019 3:24:00 PM
Methyl Butyl Ketone	< 1.2	1.2		ug/m3	1	12/18/2019 3:24:00 PM
Methyl Ethyl Ketone	1.4	0.88		ug/m3	1	12/18/2019 3:24:00 PM
Methyl Isobutyl Ketone	0.82	1.2	J	ug/m3	1	12/18/2019 3:24:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	12/18/2019 3:24:00 PM
Methylene chloride	0.52	0.52		ug/m3	1	12/18/2019 3:24:00 PM
o-Xylene	4.9	0.65		ug/m3	1	12/18/2019 3:24:00 PM
Propylene	< 0.26	0.26		ug/m3	1	12/18/2019 3:24:00 PM
Styrene	8.7	0.64		ug/m3	1	12/18/2019 3:24:00 PM
Tetrachloroethylene	1.6	1.0		ug/m3	1	12/18/2019 3:24:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	12/18/2019 3:24:00 PM
Toluene	2.6	0.57		ug/m3	1	12/18/2019 7:14:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	12/18/2019 3:24:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	12/18/2019 3:24:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	12/18/2019 3:24:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	12/18/2019 3:24:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	12/18/2019 3:24:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	12/18/2019 3:24:00 PM

Qualifiers:	SC	Sub-Contracted	.	Results reported are not blank corrected
	B	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	S	Spike Recovery outside accepted recovery limits	DL	Detection Limit