

# ***NextDay Inspect***

## Air Quality Inspection Sample Report



111 Sample Report Rd, Sample, VA 00001

Inspection prepared for: Client

Real Estate Agent: Agent

Date of Inspection: 7/22/2019 Time: 12:00 PM

Age of Home: 2017 Size: 1876

Inspector: Azmi Alkurd

Order ID: 0001

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## Report Summary

PM 2.5		
Page 2 Item: 1	PM 2.5 Level	• PM 2.5 level in the house at the time of the inspection ranged between 3 to 4 $\mu\text{g}/\text{m}^3$ , normal acceptable level.
PM 10.0		
Page 3 Item: 1	PM 10.0 Level	• PM 10 level in the house at the time of the inspection was 3 to 4 $\mu\text{g}/\text{m}^3$ , normal acceptable level.
PM 1.0		
Page 4 Item: 1	PM 1.0 Level	• PM 1 level in the house at the time of the inspection was 2 to 3 $\mu\text{g}/\text{m}^3$ , normal acceptable level.
HCHO		
Page 5 Item: 1	Formaldehyde Level	• HCHO level at the time of the inspection was at 0.314 $\text{mg}/\text{m}^3$ which corresponds to 0.27 PPM. At these levels ; sensitive individuals might show signs of irritation to eyes and mucous membranes. The long exposure recommended level is not to exceed 0.8 PPM or 1.0 $\text{mg}/\text{m}^3$
TVOC		
Page 6 Item: 1	Total volatile organic compounds	• TVOC level at the time of the inspection was about 1447 $\mu\text{g}/\text{m}^3$ . This is marginal above average indoor level. Occasional irritation or discomfort may be possible with sensitive individuals. There is a moderate likelihood that specific VOC sources are present
Air Pollution		
Page 7 Item: 1	Air Pollution Level	• Indoor Air pollution level at the time of the inspection was about 37. This is marginally poor Air Quality Index.

NVEP	VEP	SAM	NASA M	EXCL.
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- Particulate Matter 2.5 (PM2.5), refers to tiny particles or droplets in the air that are 2.5 microns or less in width. These particles are not visible by the naked eye.
- National Ambient Air Standards are established to be protective of public health. The short-term standard (24-hour or daily average) is 35 micrograms per cubic meter of air ( $\mu\text{g}/\text{m}^3$ ) and the long-term standard (annual average) is 12  $\mu\text{g}/\text{m}^3$ .
- PM 2.5 level in the house at the time of the inspection ranged between 3 to 4  $\mu\text{g}/\text{m}^3$ , normal acceptable level.

# PM 10.0

## 1. PM 10.0 Level

NVEP VEP SAM NASA EXCL.  
M

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### Observations:

- Particulate Matter 10.0 (PM 10), refers to tiny particles or droplets in the air that are 10.0 microns or less in width. These particles are not visible by the naked eye.
- National Ambient Air Standards are established to be protective of public health. The recommended level before encountering a health impact is 0 to 50  $\mu\text{g}/\text{m}^3$ .
- PM 10 level in the house at the time of the inspection was 3 to 4  $\mu\text{g}/\text{m}^3$ , normal acceptable level.

# PM 1.0

1. PM 1.0 Level

NVEP VEP SAM NASA EXCL.  
M

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- Observations:
- Particulate Matter 1.0 (PM 1), refers to tiny particles or droplets in the air that are 1.0 microns or less in width. These particles are not visible by the naked eye.
  - PM 1 level in the house at the time of the inspection was 2 to 3 µg/m3, normal acceptable level.

# HCHO

## 1. Formaldehyde Level

NVEP VEP SAM NASA EXCL.

M

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### Observations:

- formaldehyde (HCHO) - Colorless, poisonous, highly water-soluble gas with an obnoxious odor. Used in the manufacture of disinfectants, preservatives, and hundreds of industrial and consumer products such as adhesives, carpeting, decorative paneling, foam insulation, drapery, fiber and particle boards, and permanent press fabrics.

- Health Effects of Exposure to Formaldehyde:

- > .01 ppm mild irritation or allergic sensitization in some people

- > 0.5 ppm irritation to eyes & mucous membranes

- > 1.0 ppm possible nasopharyngeal cancer

- 3.0 ppm respiratory impairment and damage

- HCHO level at the time of the inspection was at 0.314 mg/m<sup>3</sup> which corresponds to 0.27 PPM. At these levels ; sensitive individuals might show signs of irritation to eyes and mucous membranes. The long exposure recommended level is not to exceed 0.8 PPM or 1.0 mg/m<sup>3</sup>

# TVOC

1. Total volatile organic compounds

NVEP VEP SAM NASA EXCL.  
M

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Observations:

- TVOC - Total Volatile Organic Compounds; can cause serious health effects in both the short and long term. Health effects vary from minor eye, nose and throat irritations all the way to liver and kidney damage or cancer, depending on the level of exposure.
- TVOC level at the time of the inspection was about 1447 µg/m3. This is marginal above average indoor level. Occasional irritation or discomfort may be possible with sensitive individuals. There is a moderate likelihood that specific VOC sources are present

# Air Pollution

## 1. Air Pollution Level

NVEP VEP SAM NASA EXCL.  
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Observations:

- **AQI** values at or below 30 are generally thought of as satisfactory. AQI values between 31 and 100 are generally thought of as marginally poor, AQI values above 100 are generally thought of as poor.
- Indoor Air pollution level at the time of the inspection was about 37. This is marginally poor Air Quality Index.



## Glossary

Term	Definition
AQI	Air Quality Index
PPM	Parts per million