Upload Your Own Company Logo

Your Company Name

Sample Home Inspection Company

100 Stanley Ave
Toronto, ON L6X 4M9 647-448-4125

Your Company Address and Phone Number

PROPERTY NAME

Customers Property Name

123 Main St, Atlanta, GA, 30301

Customers Property Description

DigitalEnvironment

Powered by Digital Environment

Property Summary report for: PROPERTY NAME

123 Main St, Atlanta, GA, 30301

Home Inspector performing the Air Quality Survey

Owner: John Sanders (danielshimko+demo@digienv.com)

Manager of the Home Inspector
*Possibly the same as the Home Inspector

Creator: Daniel Shimko (danielshimko86@gmail.com)

Sensors: Audio via Android/iOS, GPS via Android/iOS, Images via Android/iOS, Notes via Android/iOS, Pocket Particle AQI 2.0, BLE

Pocket Particle 2.0

Summary of all the Property Rooms Air Quality Readings

Room	# of Meas. collected	PM2.5 Min (µg/m³)	PM2.5 Average (µg/m³)	PM2.5 Max (µg/m³)	PM10 Min (µg/m³)	PM10 Average (µg/m³)	PM10 Max (µg/m³)
Exterior	23	5.2	8.2	14.0	4.0	5.3	6.0
Family Room	23	7.4	9.5	12.0	4.0	5.0	6.0
Washroom	23	8.0	192.6	999.0	5.0	50.9	305.2
Basement	23	7.4	79.2	357.4	6.0	67.2	293.6
Kitchen	25	5.0	16.0	43.0	4.0	5.3	7.0

Recent Shower

Mold Detected

Room	# of Meas. collected	VOC Min (ppb)	VOC Average (ppb)	VOC Max (ppb)	eCO2 Min (ppm)	eCO2 Average (ppm)	eCO2 Max (ppm)
Exterior	23	0.0	0.4	1.8	400.0	403.5	415.4
Family Room	23	1027.2	2165.2	7897.4	2150.0	2680.0	5364.2
Washroom	23	10.0	23.5	33.6	466.0	557.8	621.2
Basement	23	0.0	14.7	74.4	400.0	499.2	891.0
Kitchen	25	5.8	455.5	2070.2	440.8	1363.1	2632.8

Improper Ventilation

Recent Cleaning or Cooking

This page is used to and explain the results of the Air Quality and Mold Detection Survey to the customer

DigitalEnvironment

Pocket Particle AQI 2.0, BLE

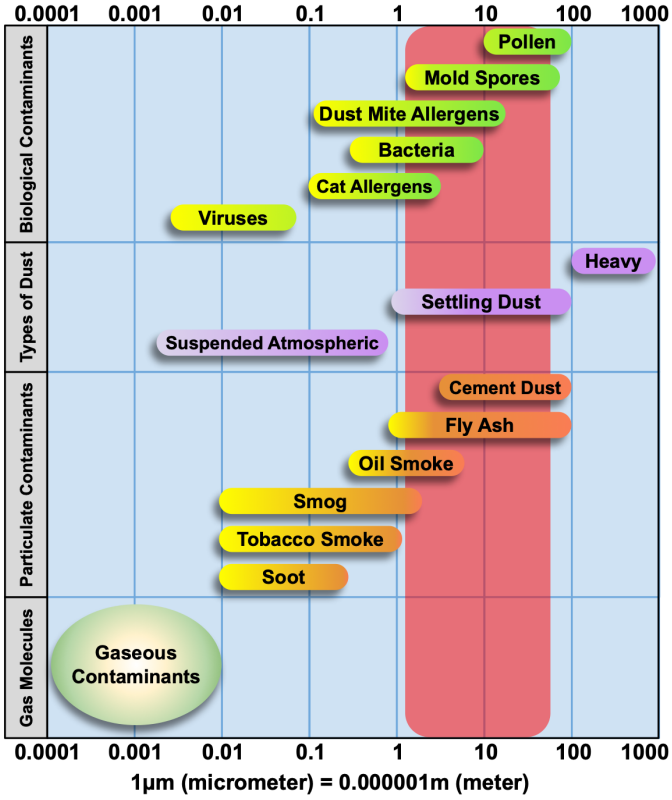
WHAT DOES THE AIR QUALITY SURVEY DATA MEAN?

PM2.5 & PM10 - Particulate Matter:

Reductions in airborne particulate matter have been shown to have a wide range of positive effects[1]. The toxicity of particulate matter depends on the type of particulate matter, but elevated particulate levels of all types have been associated with adverse health effects.

PM2.5/10 (µg/m³)	LEVEL[2]	MEANING
0 - 50	Good	Air quality is considered satisfactory air pollution poses little or no risk
50 - 100	Moderate	Air quality is acceptable
100 - 150	Unhealthy for Sensitive Groups	Members of sensitive groups may experience health effects
150 - 200	Unhealthy	Everyone may begin to experience health effects
200 - 300	Very Unhealthy	Health Alert: Everyone may experience more serious health effects
300 - 500	HAZARDOUS	Health Warning: Emergency conditions

Particulate Matter (PM) Sizes - micrometers (µm) [6]



1µm (micrometer) = 0.000001m (meter)

eTVOC - Equivalent Total Volatile Organic Compound:

Total VOC concentration represents all VOCs in the air. Some types of VOCs like formaldehyde are very dangerous and should be monitored at lower levels. Below is guidance published by the German Federal Environmental Agency that allows for direct comparison to the assessment data readings.

eTVOC (ppb)	LEVEL	EXPOSURE LIMIT	RECOMMENDATIONS[3]
0 - 65	Background	No Limit	No action required
65 - 220	Normal	No Limit	Ventilation recommended
220 - 660	Elevated	< 12 Months	Ventilation recommended, look for sources
660 - 2,200	High	< 1 Month	Intensified ventilation, look for sources
> 2,200	Dangerous	Hours	Should be avoided, intense ventilation

eCO_2 - Carbon Dioxide Equivalent:

Elevated levels of carbon dioxide can cause headache and fatigue, while very high concentrations can cause dizziness, nausea, and vomiting. Extremely high levels can cause loss of consciousness and even death.

eCO_2 (ppm)	LEVEL	HEALTH EFFECTS[4–5]
250 - 350	Background	Normal level for outdoor air
350 - 1,000	Normal	Typical concentrations found in indoor air
1,000 - 2,000	Elevated	Symptoms will begin to develop, starting with drowsiness
2,000 - 5,000	High	Headaches, sleepiness, poor concentration, increased heart rate and slight nausea
> 5,000	Dangerous	Dizziness, fatigue, nausea, vomiting, loss of consciousness and death

[1] Fisk, W.J. (2013). Health benefits of particle filtration. Indoor Air,23(5), 357-368. doi:10.1111/ina. 12036
[2] https://www.airnow.gov/index.cfm?action=aqibasics.aqi#good
[3] http://www.innenraumanalytik.at/pdfs/handreichung.pdf
[4] https://www.dhs.wisconsin.gov/chemical/carbondioxide.htm
[5] https://ohsonline.com/articles/2016/04/01/carbon-dioxide-detection-and-indoor-air-quality-control.aspx?m=1
[6] https://www.medical-reference.net/2014/01/what-are-particulate-matter-25.html

1st Room of the Property - Exterior Area Control Survey

Room Summary report for: Exterior

Control Air Quality readings from outside the property

Room Description

Participants: John Sanders

Sensors: Pocket Particle 2.0, Images

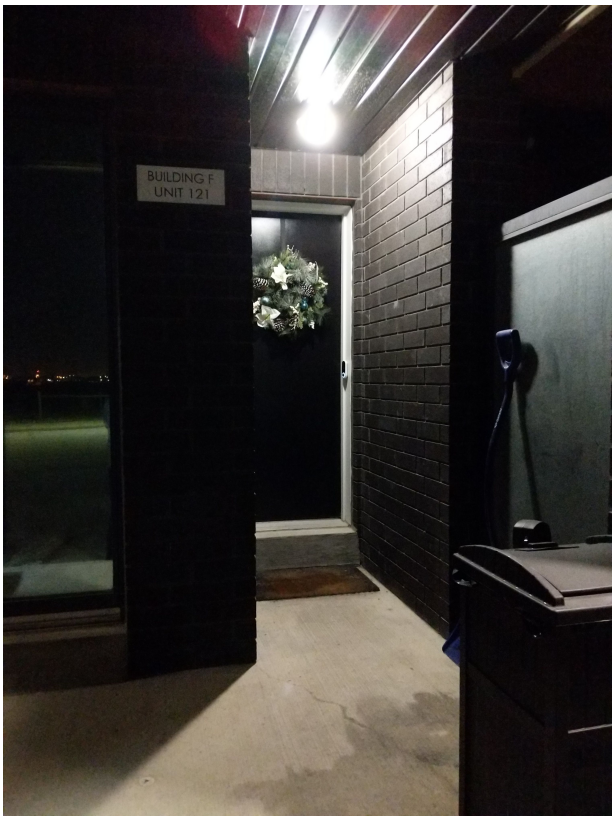
Last Updated: 3/25/2020 12:58 am EDT

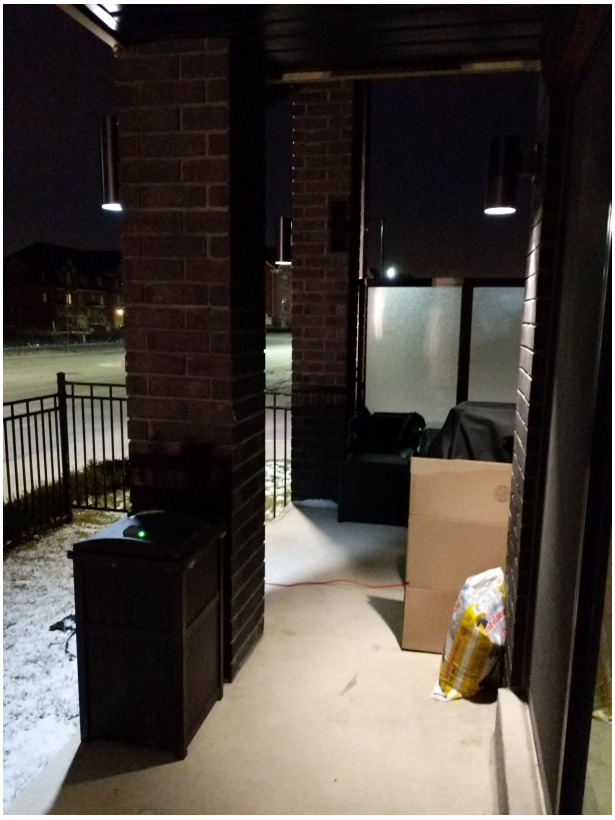
Location: 43.68119878, -79.84188322

GPS Map location of the room being surveyed

Images

Pictures of the Room / Area that are taken within the mobile app can be included in the report (Up to 4 total)





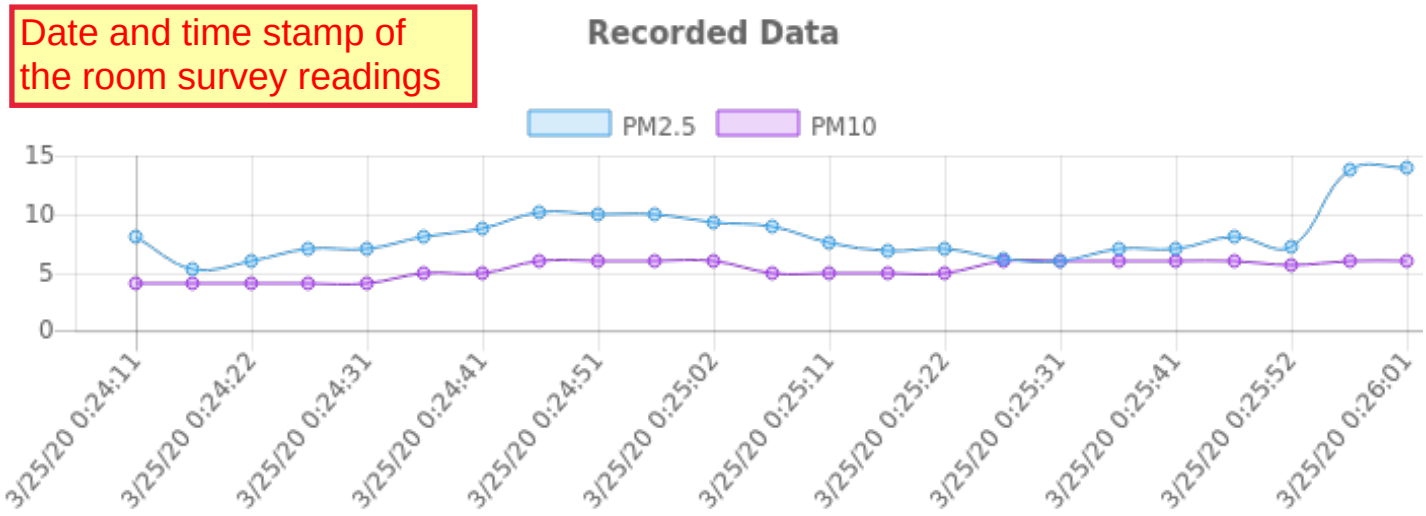
Pocket Particle 2.0

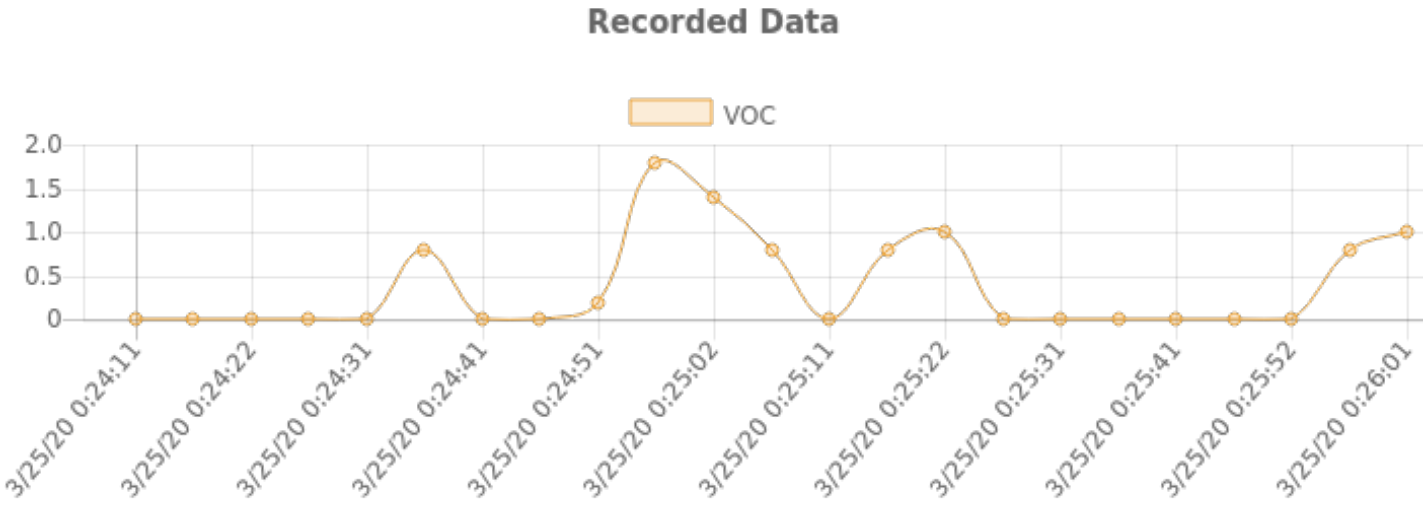
Summary of the room survey readings

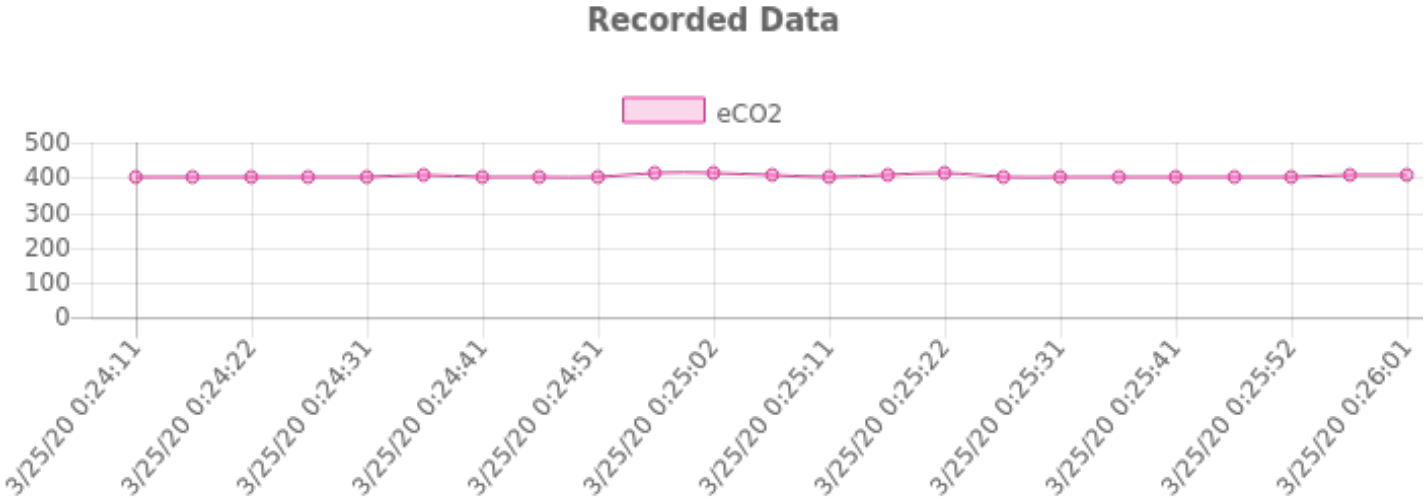
PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
8.2 (µg/m³)	5.3 (µg/m³)	0.4 (ppb)	403.5 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
5.2 (µg/m³)	14.0 (µg/m³)	4.0 (µg/m³)	6.0 (µg/m³)	0.0 (ppb)	1.8 (ppb)	400.0 (ppm)	415.4 (ppm)

Date and time stamp of the room survey readings







Room Summary report for: Family Room

Main Floor - 300 square feet

Participants: John Sanders

Sensors: Pocket Particle 2.0, Images

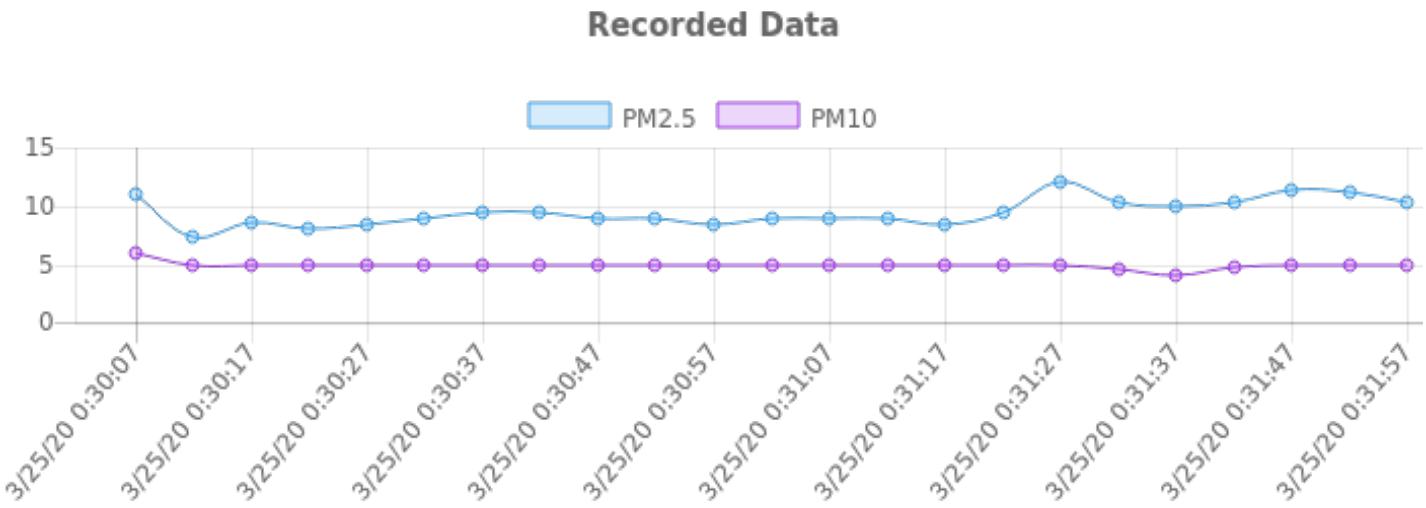
Last Updated: 3/25/2020 12:58 am EDT

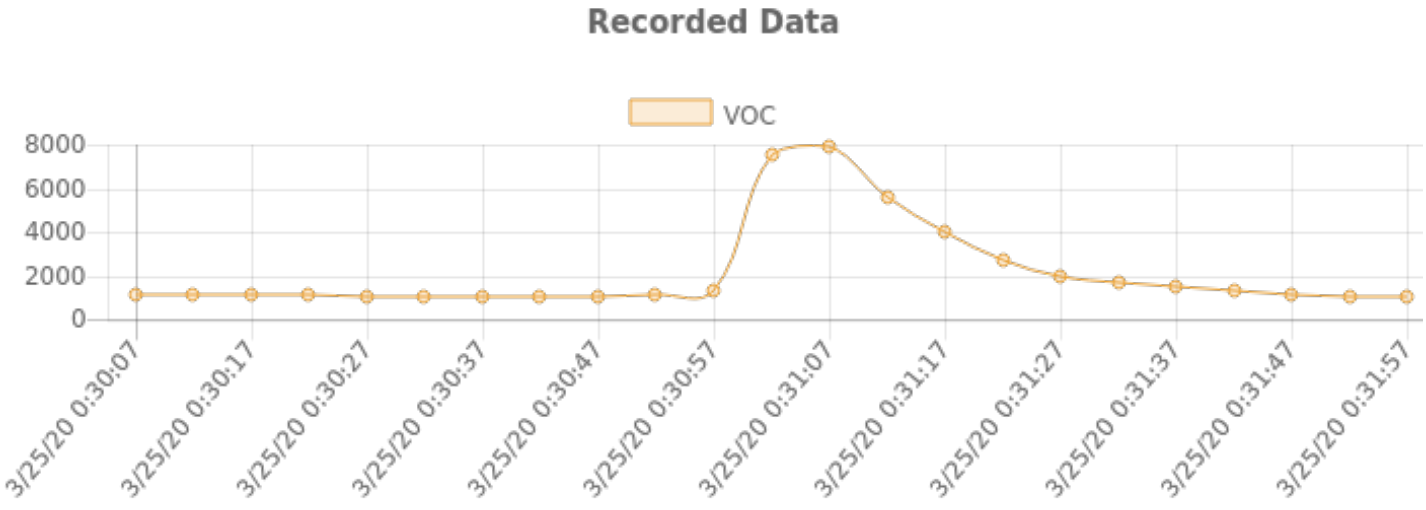
Location: 43.68093023, -79.84188324

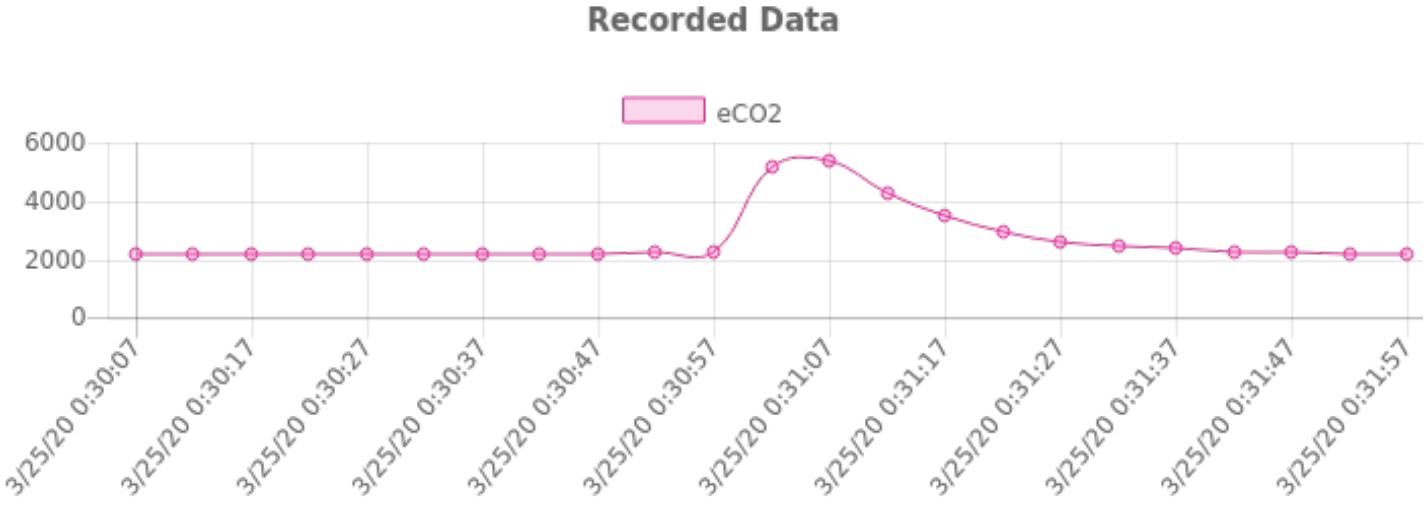
Images

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
9.5 (µg/m³)	5.0 (µg/m³)	2165.2 (ppb)	2680.0 (ppm)

PM2.5 Min	PM2.5 Max	PM10 Min	PM10 Max	VOC Min	VOC Max	eCO2 Min	eCO2 Max
7.4 (µg/m³)	12.0 (µg/m³)	4.0 (µg/m³)	6.0 (µg/m³)	1027.2 (ppb)	7897.4 (ppb)	2150.0 (ppm)	5364.2 (ppm)







Room Summary report for: Washroom

Main Floor - 80 square feet

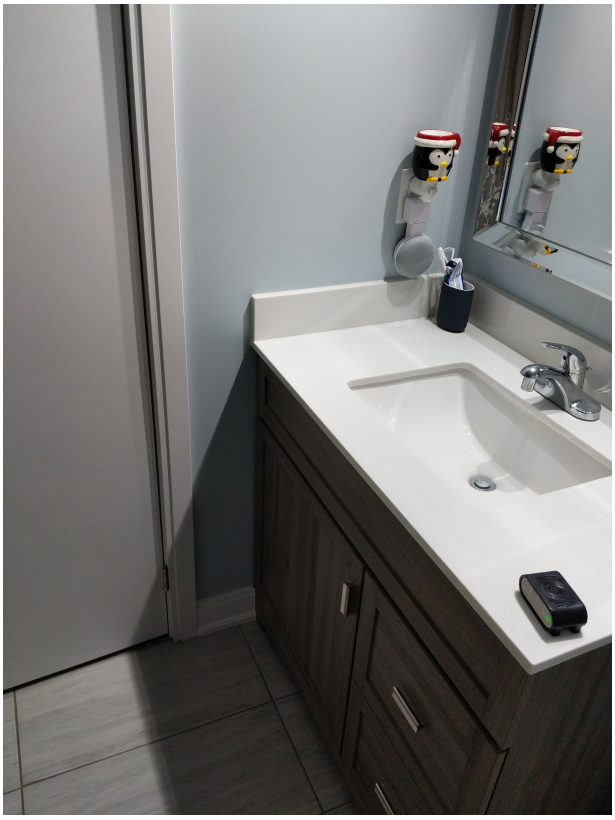
Participants: John Sanders

Sensors: Pocket Particle 2.0, Images

Last Updated: 3/25/2020 12:58 am EDT

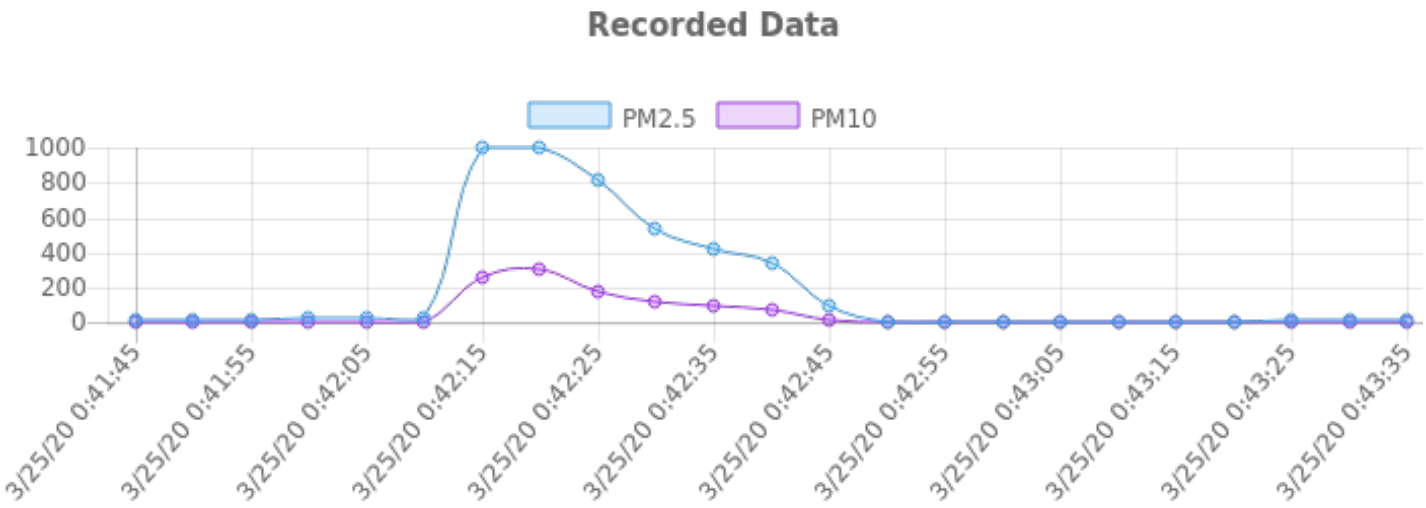
Location: 43.681186, -79.84190625

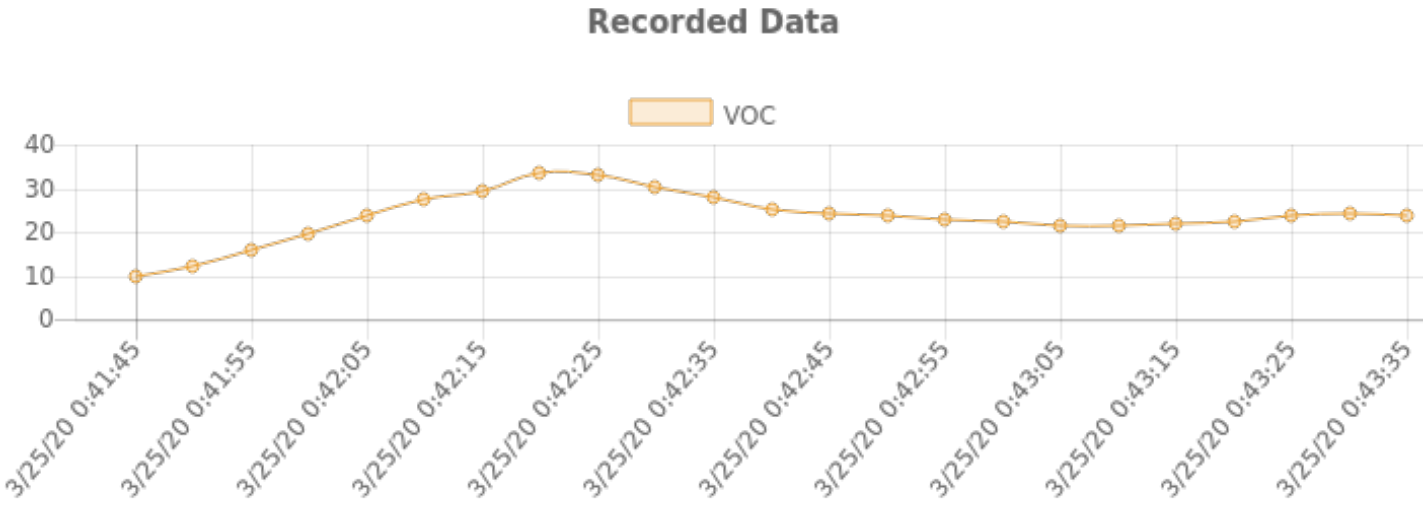
Images

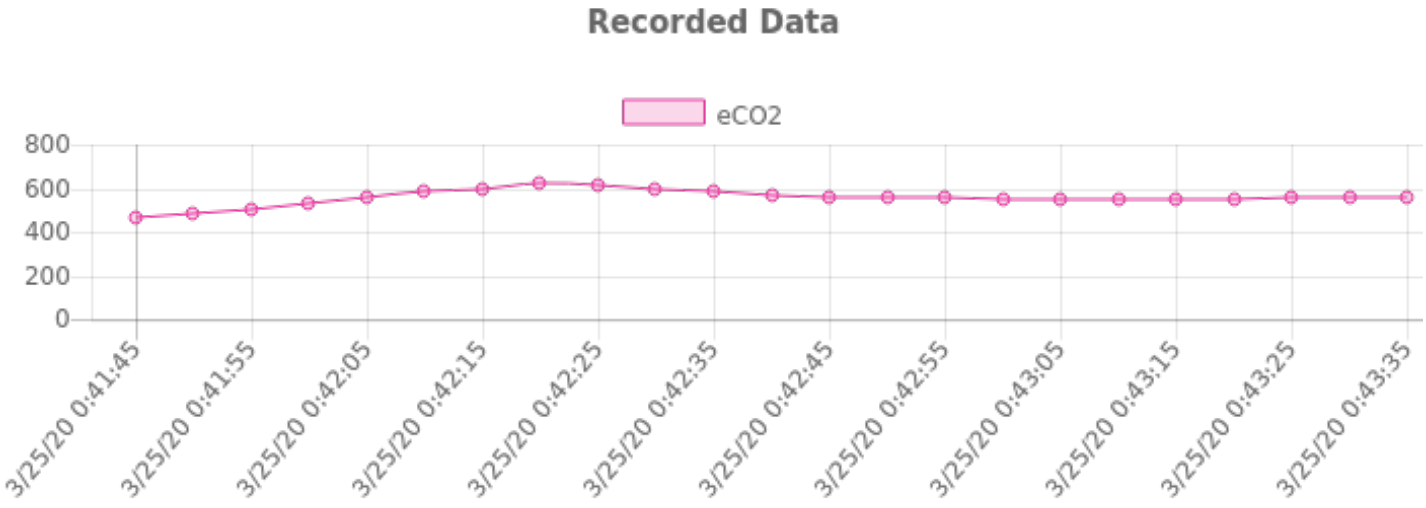


PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
192.6 (µg/m³)	50.9 (µg/m³)	23.5 (ppb)	557.8 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
8.0 (µg/m³)	999.0 (µg/m³)	5.0 (µg/m³)	305.2 (µg/m³)	10.0 (ppb)	33.6 (ppb)	466.0 (ppm)	621.2 (ppm)







Room Summary report for: Basement

Basement - 500 square feet

Participants: John Sanders

Sensors: Pocket Particle 2.0, Images

Last Updated: 3/25/2020 12:57 am EDT

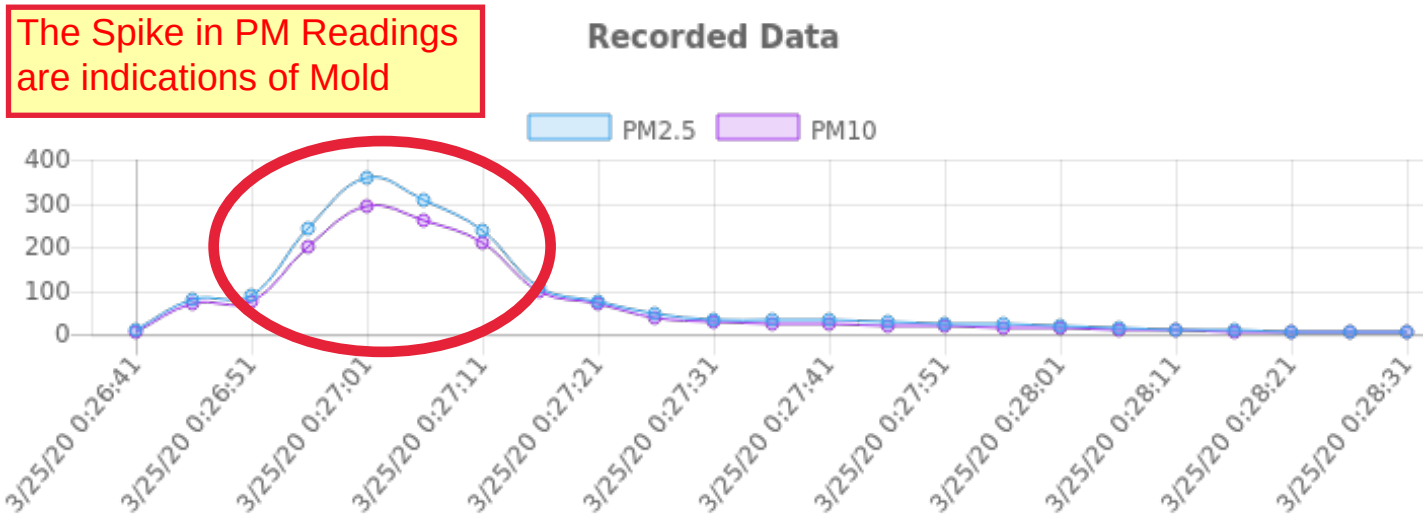
Location: 43.68135394, -79.84168778

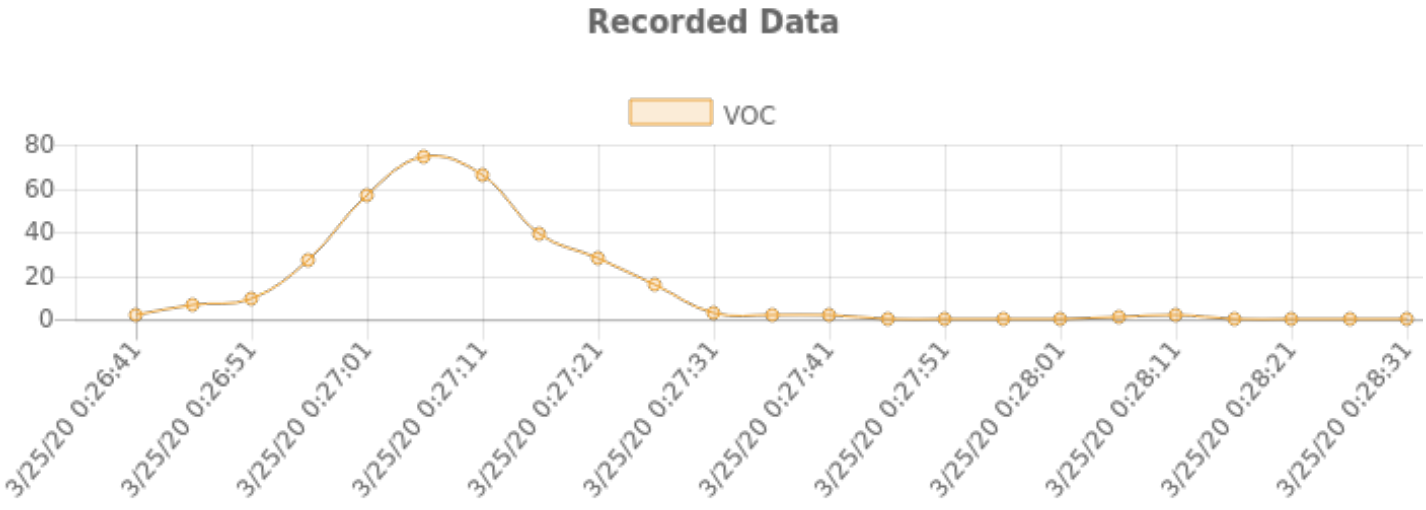
Images

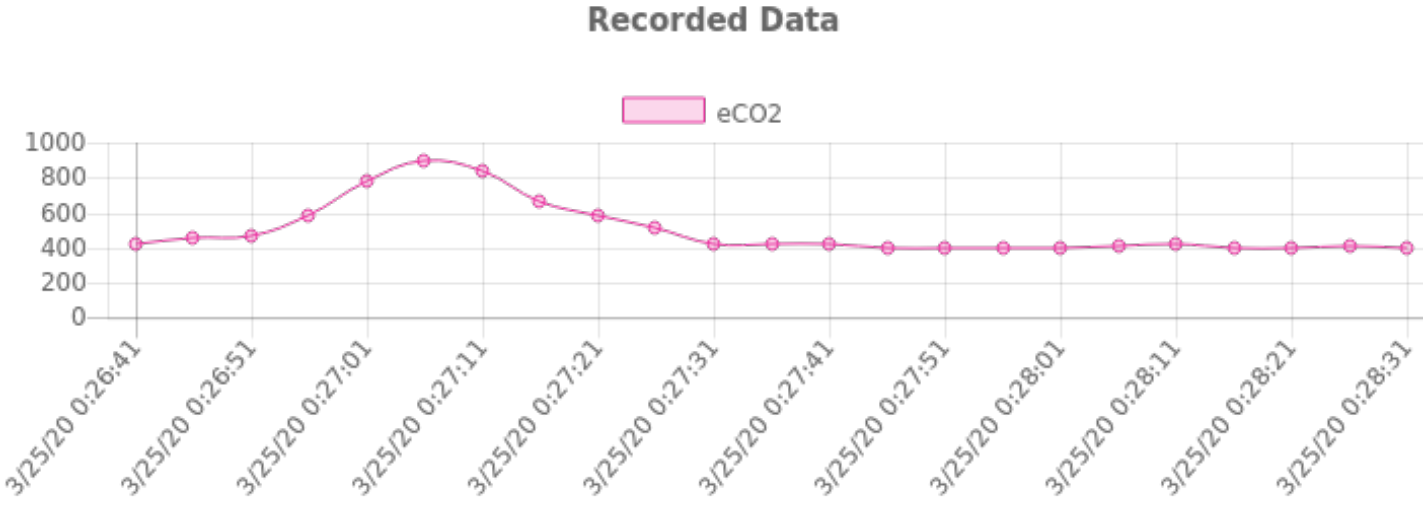
PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
79.2 (µg/m³)	67.2 (µg/m³)	14.7 (ppb)	499.2 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
7.4 (µg/m³)	357.4 (µg/m³)	6.0 (µg/m³)	293.6 (µg/m³)	0.0 (ppb)	74.4 (ppb)	400.0 (ppm)	891.0 (ppm)

The Spike in PM Readings are indications of Mold







Room Summary report for: Kitchen

Main Floor - 200 square feet

Participants: John Sanders

Sensors: Pocket Particle 2.0, Images

Last Updated: 3/25/2020 12:57 am EDT

Location: 43.68132044, -79.84239984

Images

Pocket Particle 2.0

PM2.5 Average	PM10 Average	VOC Average	eCO2 Average
16.0 (µg/m³)	5.3 (µg/m³)	455.5 (ppb)	1363.1 (ppm)

Min	Max	Min	Max	Min	Max	Min	Max
5.0 (µg/m³)	43.0 (µg/m³)	4.0 (µg/m³)	7.0 (µg/m³)	5.8 (ppb)	2070.2 (ppb)	440.8 (ppm)	2632.8 (ppm)