



YOUR COMPANY

Home Inspection Company

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

123 Main Street

Residential - 123 Main St, Toronto, Ontario L3L 7D7



Powered by Digital Environment

Property Summary report for: 123 Main Street



Residential - 123 Main St, Toronto, Ontario L3L 7D7

Owner: Daniel Shimko (danielshimko86@gmail.com)

Creator: Daniel Shimko (danielshimko86@gmail.com)

Sensors: Audio via Android/iOS, Forms 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

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)
Master Bedroom	22	8.0	43.6	243.6	7.0	36.8	198.2
Garage	48	8.0	18.5	58.4	7.0	11.5	34.2
Guest Bedroom	25	0.0	42.6	170.6	0.0	39.1	145.8
Bathroom	21	8.0	24.0	58.8	7.0	19.7	46.4
Family Room	16	8.4	16.8	35.0	8.0	15.3	33.2
Exterior - Outdoors	57	0.0	17.7	100.4	0.0	7.4	26.0

Room	# of Meas. collected	VOC Min (ppb)	VOC Average (ppb)	VOC Max (ppb)	eCO2 Min (ppm)	eCO2 Average (ppm)	eCO2 Max (ppm)
Master Bedroom	22	7.4	29.4	120.6	454.0	596.5	1195.6
Garage	48	0.0	16.6	68.2	400.0	512.1	851.4
Guest Bedroom	25	0.0	39.9	671.2	400.0	536.1	1611.4
Bathroom	21	0.0	19.2	46.4	400.0	528.8	708.0
Family Room	16	0.0	9.5	24.6	402.0	466.0	565.8
Exterior - Outdoors	57	0.0	874.9	11314.4	400.0	1091.3	6960.0

Pocket Particle AQI 2.0, BLE

Particulate Matter: Reductions in airborne particulate matter has been shown to have a wide range of positive effects¹. The toxicity of particulate matter depends on the type of particulate matter present, but elevated levels of particulates of all types have been associated with adverse health effects.

PM ($\mu\text{g}/\text{m}^3$)	Level ²	Meaning
0-50	Good	Air quality is considered satisfactory, and 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 warnings of emergency conditions.

Volatile Organic Compounds: 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 AQI 2.0 readings.

VOC (ppb)	Level	Recommendation ³	Exposure Limit
0-65	Background	No Action Required	No Limit
65-220	Normal	Ventilation Recommended	No Limit
220-660	Elevated	Ventilation Recommended, Look For Sources	< 12 months
660-2,200	High	Intensified Ventilation, Look For Sources	< 1 month
>2,200	Dangerous	Should Be Avoided, Intense Ventilation	Hours

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

CO ₂ (ppm)	Level	Health Effect ^{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. Starts with drowsiness.
2,000-5,000	High	Headaches, sleepiness, poor concentration, increased heart rate, slight nausea
>5,000	Dangerous	Dizziness, fatigue, nausea, vomiting, loss of consciousness, 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>

Room Summary report for: Master Bedroom

2nd Floor NE Corner 400 sq/ft

Participants: Daniel Shimko

Sensors: Pocket Particle 2.0, Forms, Notes

Last Updated: 11/11/2019 10:22 pm EST

Residential Home Form

Square Footage	Visible Mold?	Mold Location (If Applicable)	Pictures Taken?	Created By	Date Created
500	No	NA	No	Daniel Shimko	Nov 14, 2019 11:54 pm

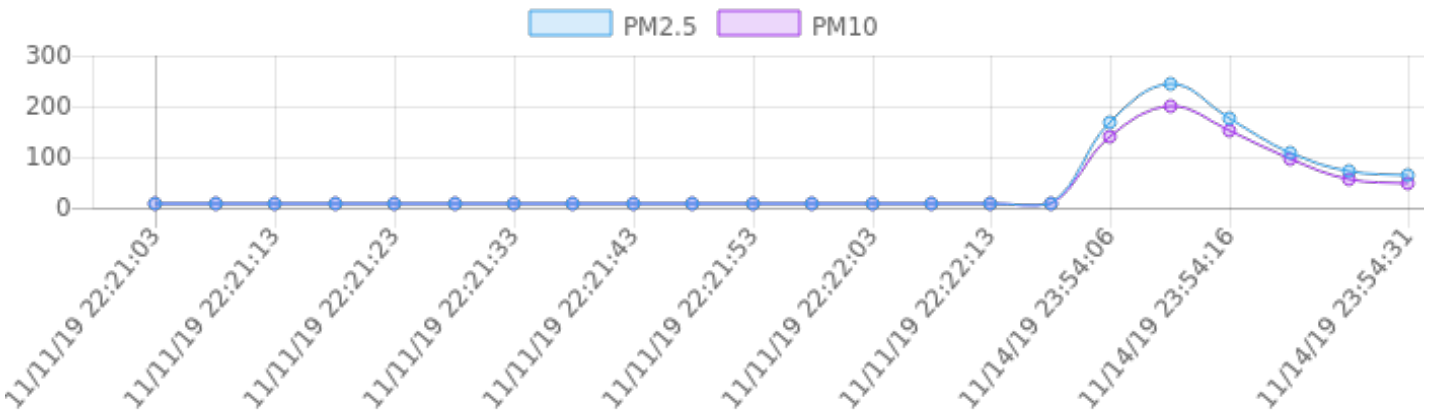
Notes

User Name	Date	Notes
Daniel Shimko	Nov 14, 2019 11:54 pm	No visible mold

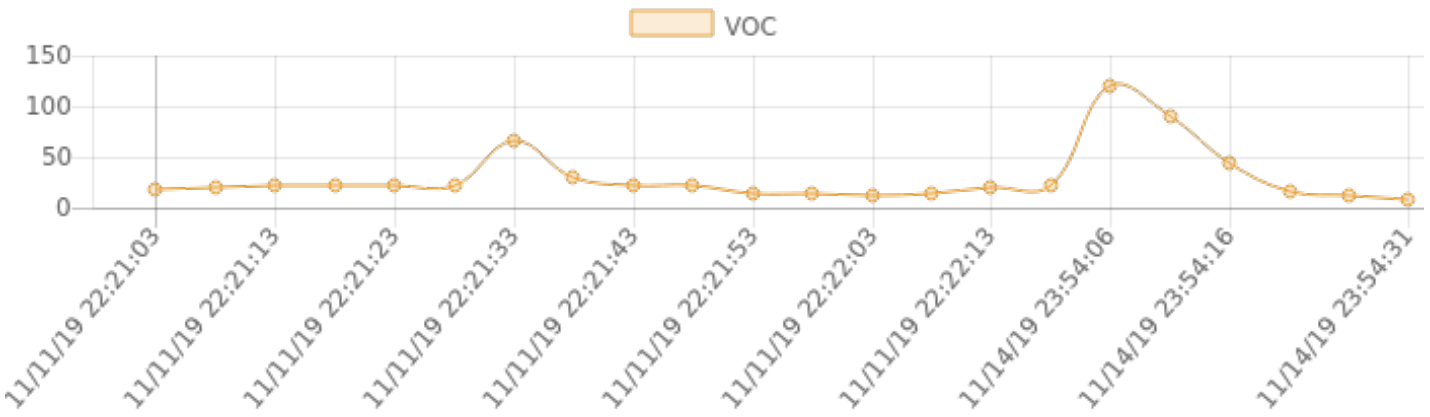
Pocket Particle 2.0

PM2.5 Average 43.6 ($\mu\text{g}/\text{m}^3$)		PM10 Average 36.8 ($\mu\text{g}/\text{m}^3$)		VOC Average 29.4 (ppb)		eCO2 Average 596.5 (ppm)	
Min 8.0 ($\mu\text{g}/\text{m}^3$)	Max 243.6 ($\mu\text{g}/\text{m}^3$)	Min 7.0 ($\mu\text{g}/\text{m}^3$)	Max 198.2 ($\mu\text{g}/\text{m}^3$)	Min 7.4 (ppb)	Max 120.6 (ppb)	Min 454.0 (ppm)	Max 1195.6 (ppm)

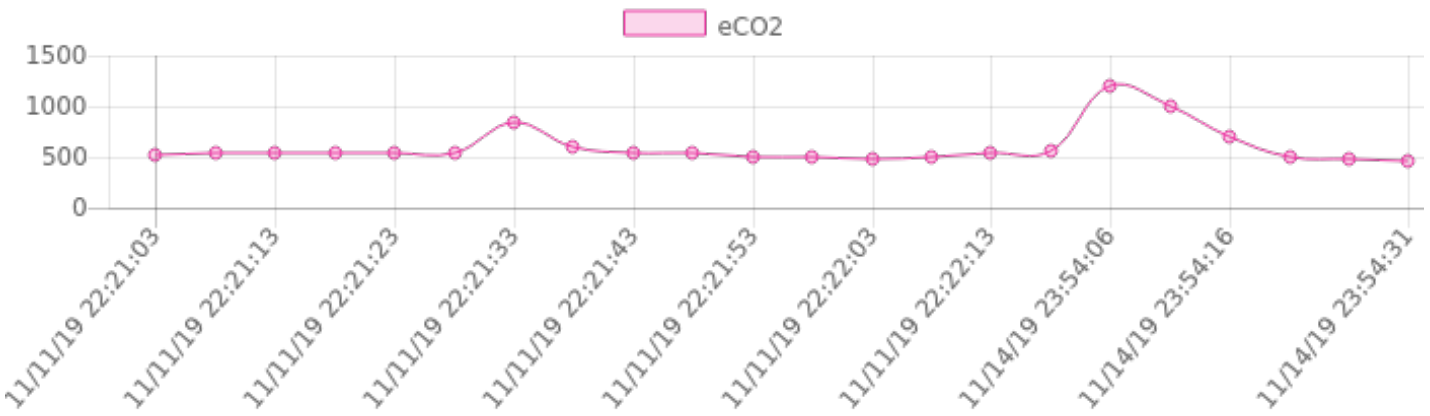
Recorded Data



Recorded Data



Recorded Data



Room Summary report for: Garage

2 Car 2 Doors

Participants: Daniel Shimko

Sensors: Pocket Particle 2.0, Forms, Notes

Last Updated: 11/11/2019 10:24 pm EST

Residential Home Form

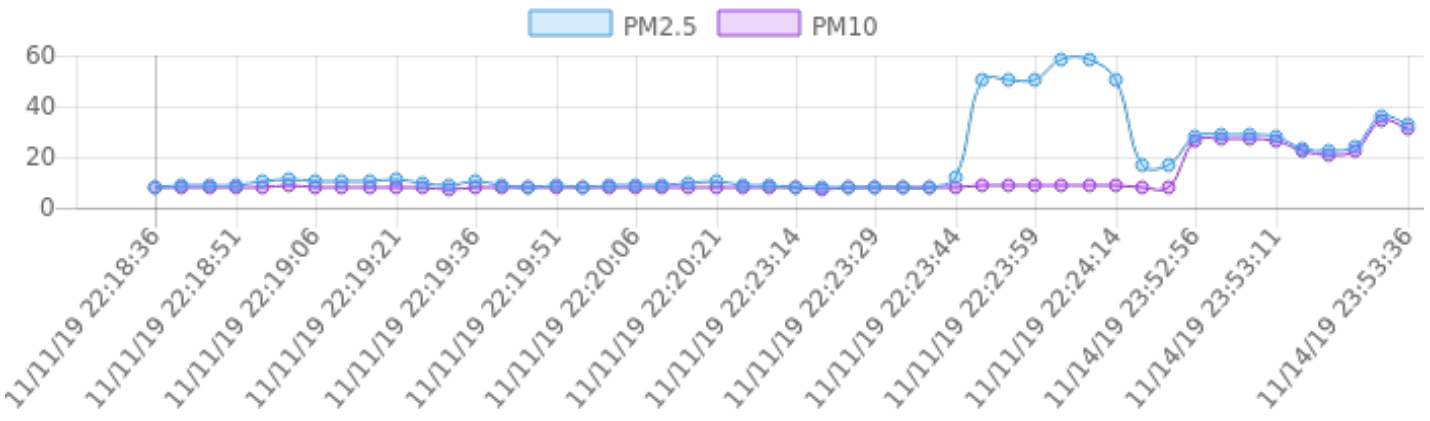
Square Footage	Visible Mold?	Mold Location (If Applicable)	Pictures Taken?	Created By	Date Created
800	Yes	garage door	Yes	Daniel Shimko	Nov 14, 2019 11:53 pm

Notes

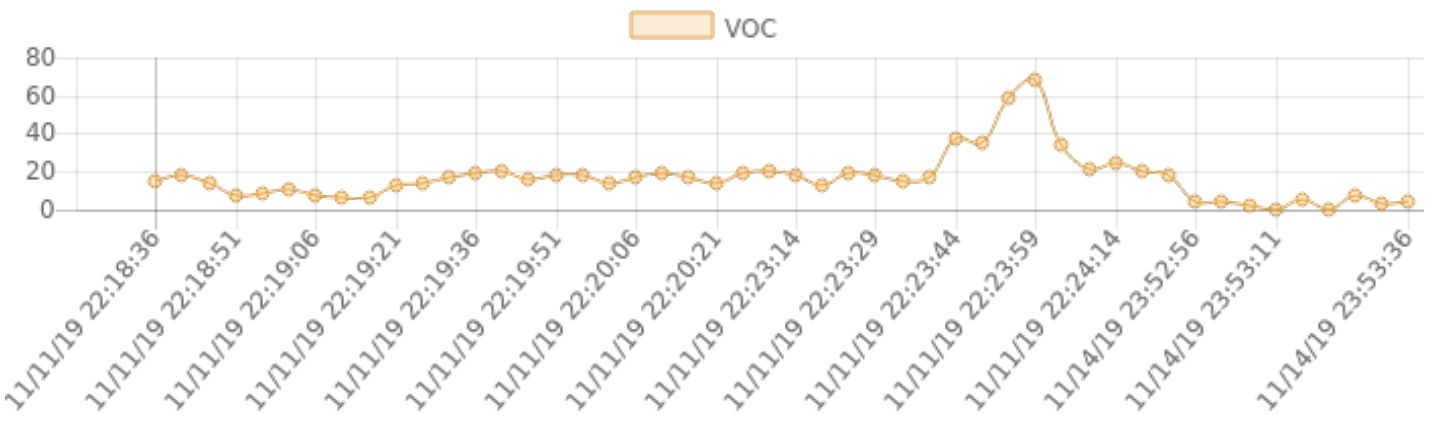
User Name	Date	Notes
Daniel Shimko	Nov 14, 2019 11:53 pm	garage door has visible mold

PM2.5 Average 18.5 ($\mu\text{g}/\text{m}^3$)		PM10 Average 11.5 ($\mu\text{g}/\text{m}^3$)		VOC Average 16.6 (ppb)		eCO2 Average 512.1 (ppm)	
Min 8.0 ($\mu\text{g}/\text{m}^3$)	Max 58.4 ($\mu\text{g}/\text{m}^3$)	Min 7.0 ($\mu\text{g}/\text{m}^3$)	Max 34.2 ($\mu\text{g}/\text{m}^3$)	Min 0.0 (ppb)	Max 68.2 (ppb)	Min 400.0 (ppm)	Max 851.4 (ppm)

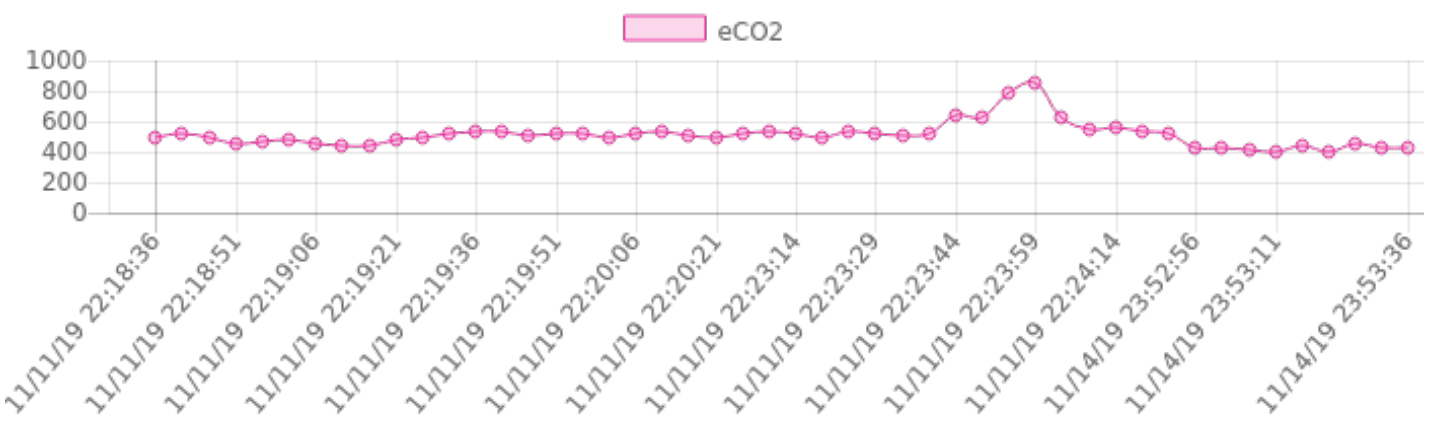
Recorded Data



Recorded Data



Recorded Data



Room Summary report for: Guest Bedroom

2nd Floor SE Corner 250 sq/ft

Participants: Daniel Shimko

Sensors: Pocket Particle 2.0, Forms, Notes

Last Updated: 11/14/2019 11:35 pm EST

Location: 43.68139336, -79.84185093



Residential Home Form

Square Footage	Visible Mold?	Mold Location (If Applicable)	Pictures Taken?	Created By	Date Created
300	No	NA	No	Daniel Shimko	Nov 14, 2019 11:51 pm

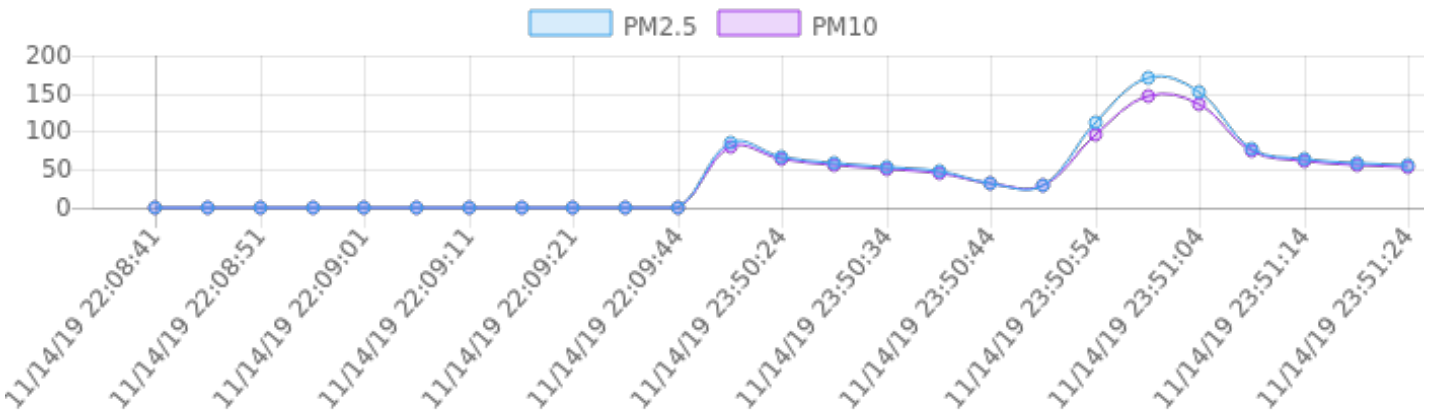
Notes

User Name	Date	Notes
Daniel Shimko	Nov 14, 2019 11:51 pm	no mold visible

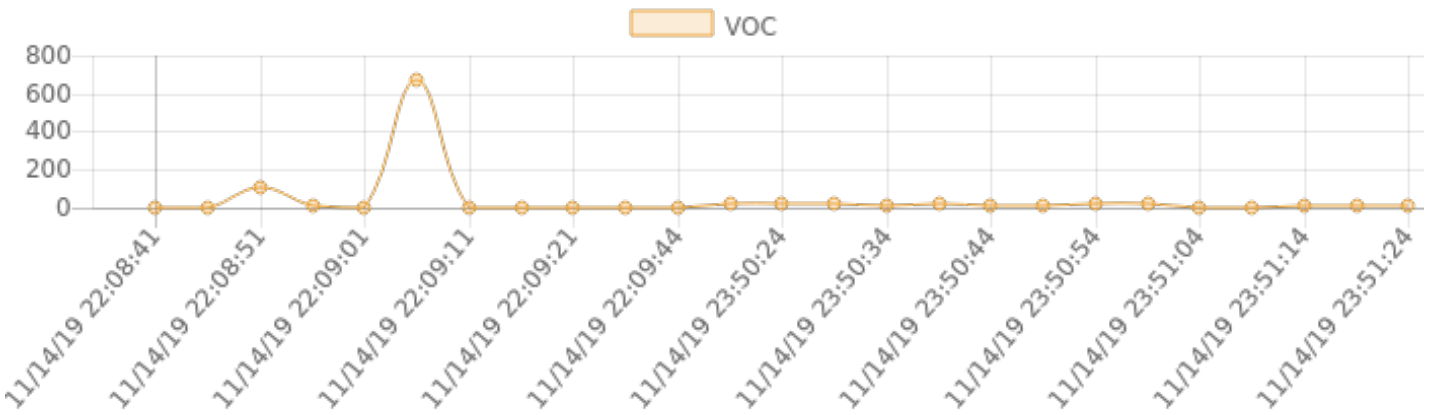
Pocket Particle 2.0

PM2.5 Average 42.6 ($\mu\text{g}/\text{m}^3$)		PM10 Average 39.1 ($\mu\text{g}/\text{m}^3$)		VOC Average 39.9 (ppb)		eCO2 Average 536.1 (ppm)	
Min 0.0 ($\mu\text{g}/\text{m}^3$)	Max 170.6 ($\mu\text{g}/\text{m}^3$)	Min 0.0 ($\mu\text{g}/\text{m}^3$)	Max 145.8 ($\mu\text{g}/\text{m}^3$)	Min 0.0 (ppb)	Max 671.2 (ppb)	Min 400.0 (ppm)	Max 1611.4 (ppm)

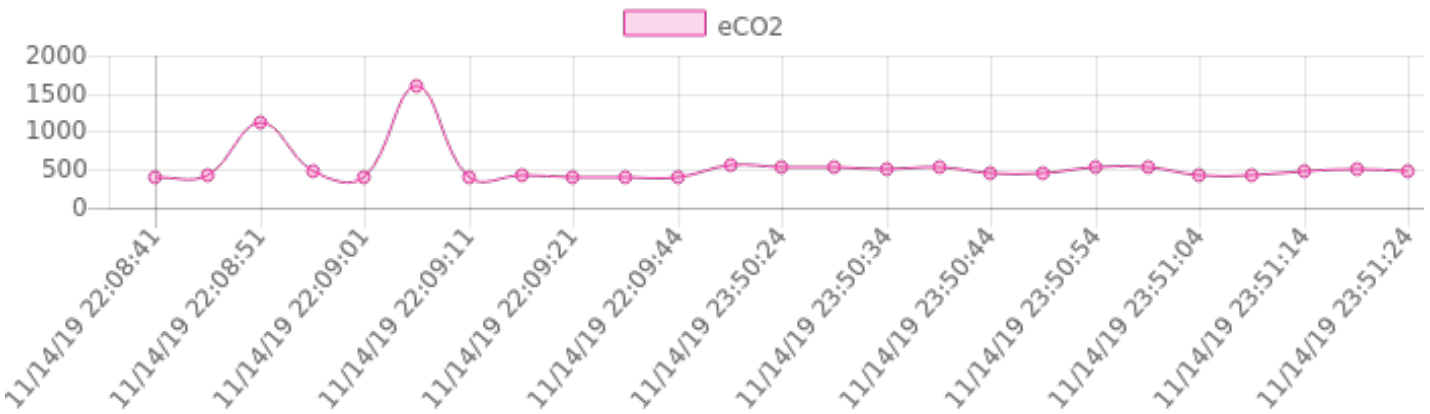
Recorded Data



Recorded Data



Recorded Data



Room Summary report for: Bathroom

Main Floor Full Bath

Participants: Daniel Shimko

Sensors: Pocket Particle 2.0, Forms, Notes

Last Updated: 11/11/2019 10:18 pm EST

Residential Home Form

Square Footage	Visible Mold?	Mold Location (If Applicable)	Pictures Taken?	Created By	Date Created
600	Yes	beside bathroom	Yes	Daniel Shimko	Nov 14, 2019 11:55 pm

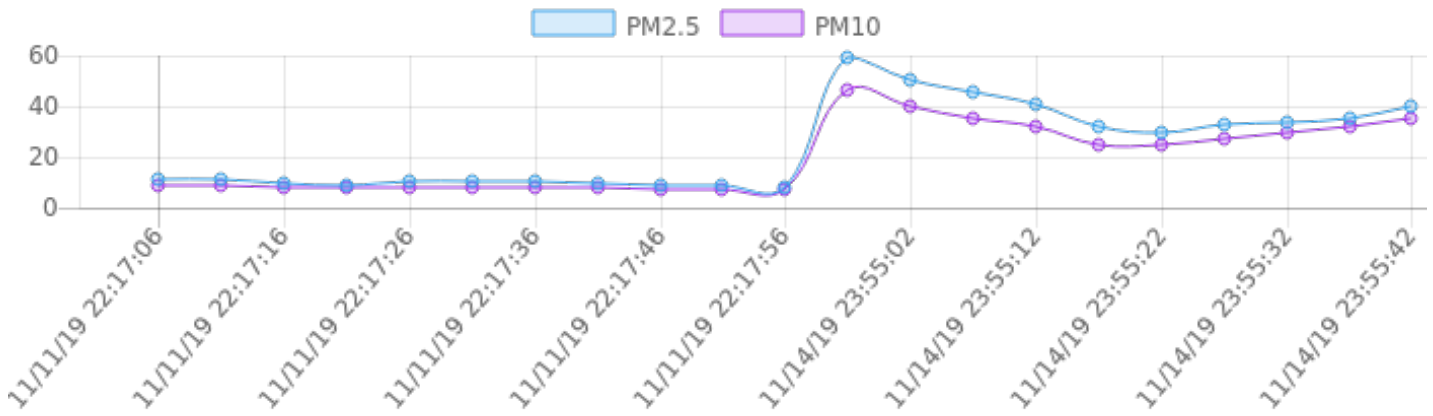
Notes

User Name	Date	Notes
Daniel Shimko	Nov 14, 2019 11:55 pm	mold found on adjoining bathroom wall

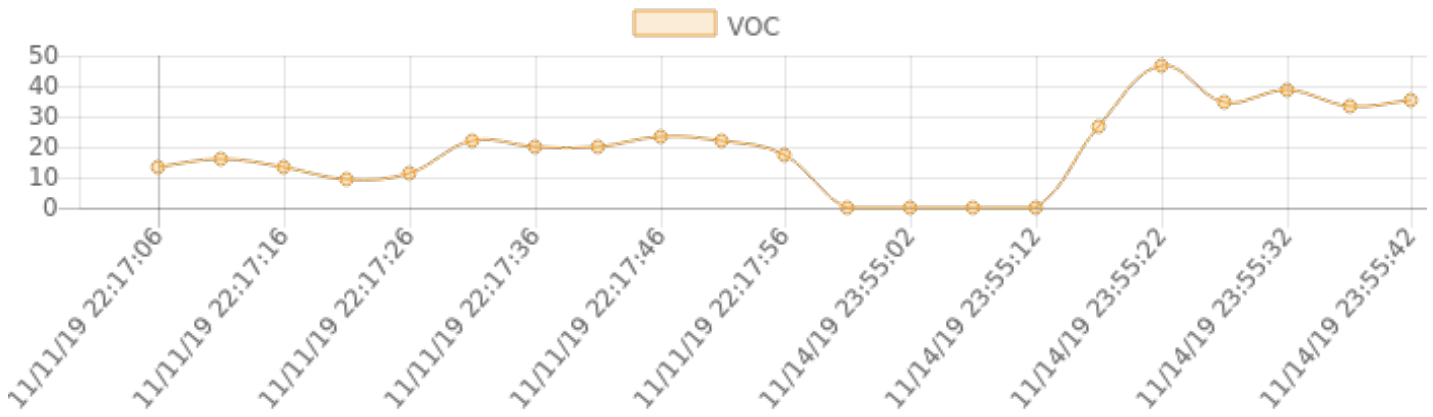
Pocket Particle 2.0

PM2.5 Average 24.0 ($\mu\text{g}/\text{m}^3$)		PM10 Average 19.7 ($\mu\text{g}/\text{m}^3$)		VOC Average 19.2 (ppb)		eCO2 Average 528.8 (ppm)	
Min 8.0 ($\mu\text{g}/\text{m}^3$)	Max 58.8 ($\mu\text{g}/\text{m}^3$)	Min 7.0 ($\mu\text{g}/\text{m}^3$)	Max 46.4 ($\mu\text{g}/\text{m}^3$)	Min 0.0 (ppb)	Max 46.4 (ppb)	Min 400.0 (ppm)	Max 708.0 (ppm)

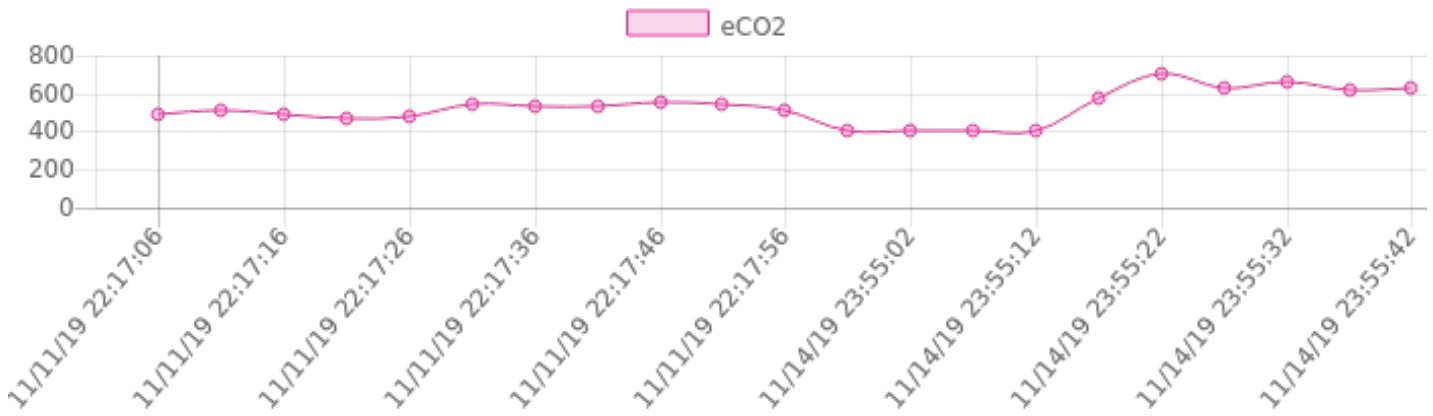
Recorded Data



Recorded Data



Recorded Data



Room Summary report for: Family Room

Main Floor 600 sq/ft

Participants: Daniel Shimko

Sensors: Pocket Particle 2.0, Forms, Notes

Last Updated: 11/11/2019 10:16 pm EST

Residential Home Form

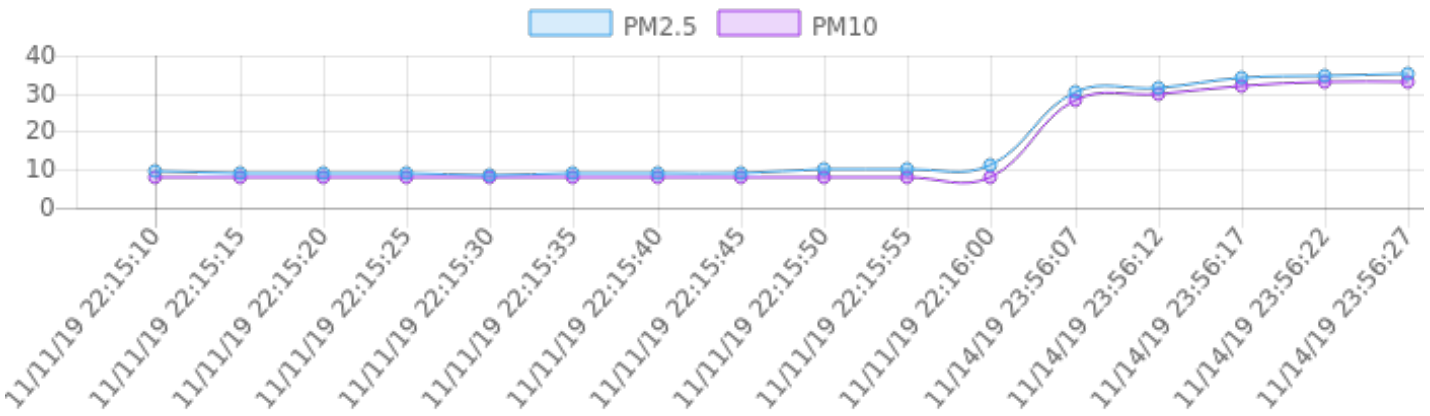
Square Footage	Visible Mold?	Mold Location (If Applicable)	Pictures Taken?	Created By	Date Created
800	No	NA	No	Daniel Shimko	Nov 14, 2019 11:56 pm

Notes

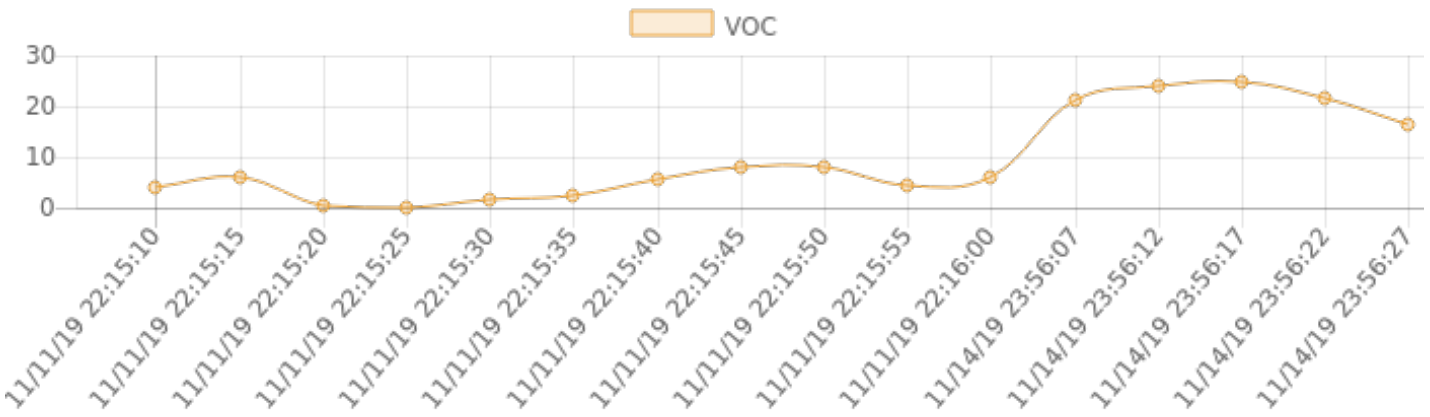
User Name	Date	Notes
Daniel Shimko	Nov 14, 2019 11:56 pm	no visible mold

PM2.5 Average 16.8 ($\mu\text{g}/\text{m}^3$)		PM10 Average 15.3 ($\mu\text{g}/\text{m}^3$)		VOC Average 9.5 (ppb)		eCO2 Average 466.0 (ppm)	
Min 8.4 ($\mu\text{g}/\text{m}^3$)	Max 35.0 ($\mu\text{g}/\text{m}^3$)	Min 8.0 ($\mu\text{g}/\text{m}^3$)	Max 33.2 ($\mu\text{g}/\text{m}^3$)	Min 0.0 (ppb)	Max 24.6 (ppb)	Min 402.0 (ppm)	Max 565.8 (ppm)

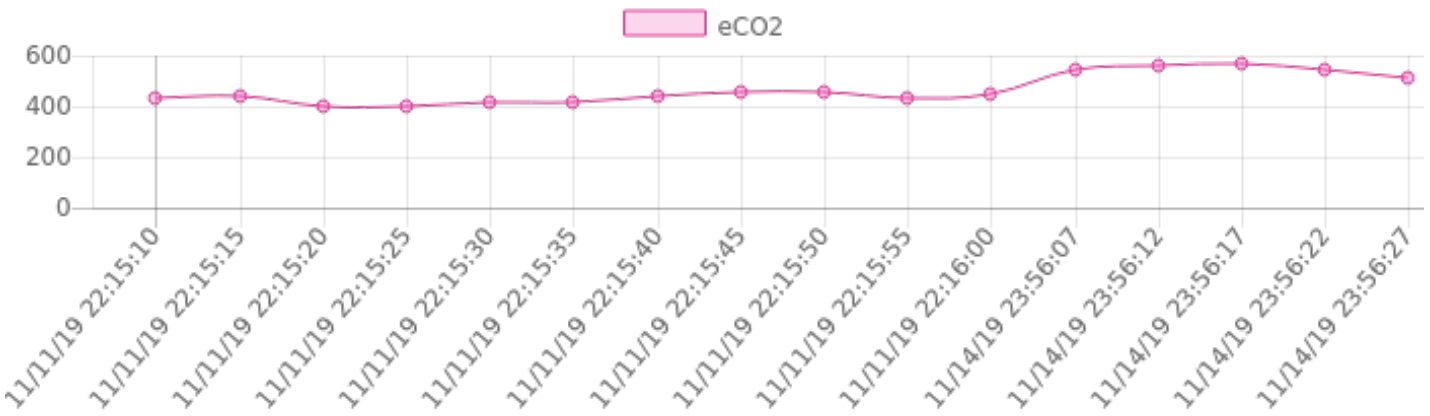
Recorded Data



Recorded Data



Recorded Data



Room Summary report for: Exterior - Outdoors



Air Quality Outside of the Property

Participants: Daniel Shimko

Sensors: Pocket Particle 2.0, Forms, Notes

Last Updated: 11/12/2019 12:14 am EST

Residential Home Form

Square Footage	Visible Mold?	Mold Location (If Applicable)	Pictures Taken?	Created By	Date Created
000	No	NA	No	Daniel Shimko	Nov 14, 2019 11:52 pm

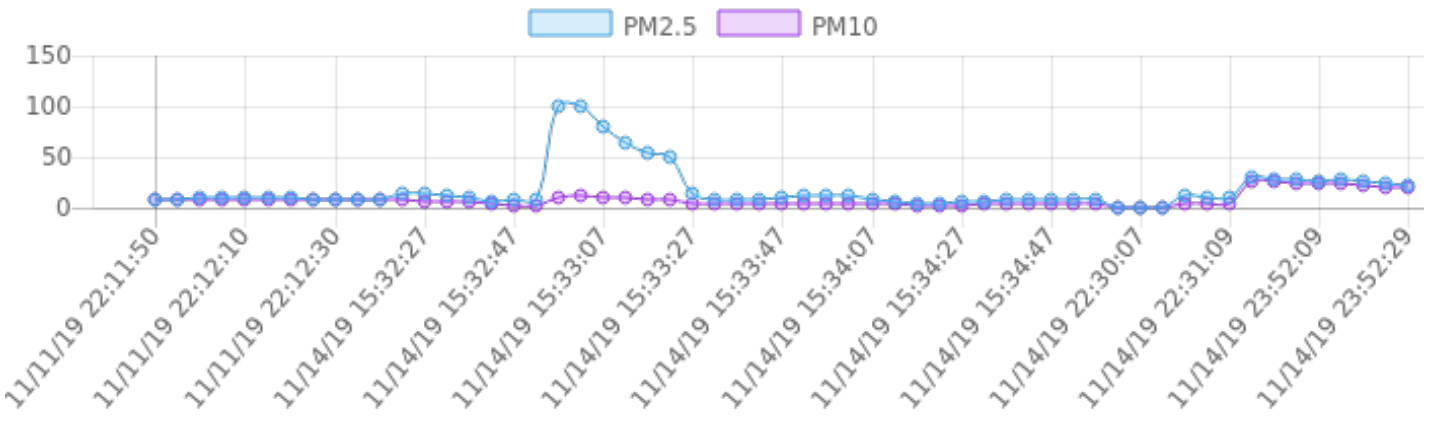
Notes

User Name	Date	Notes
Daniel Shimko	Nov 14, 2019 11:52 pm	no mold visible outside

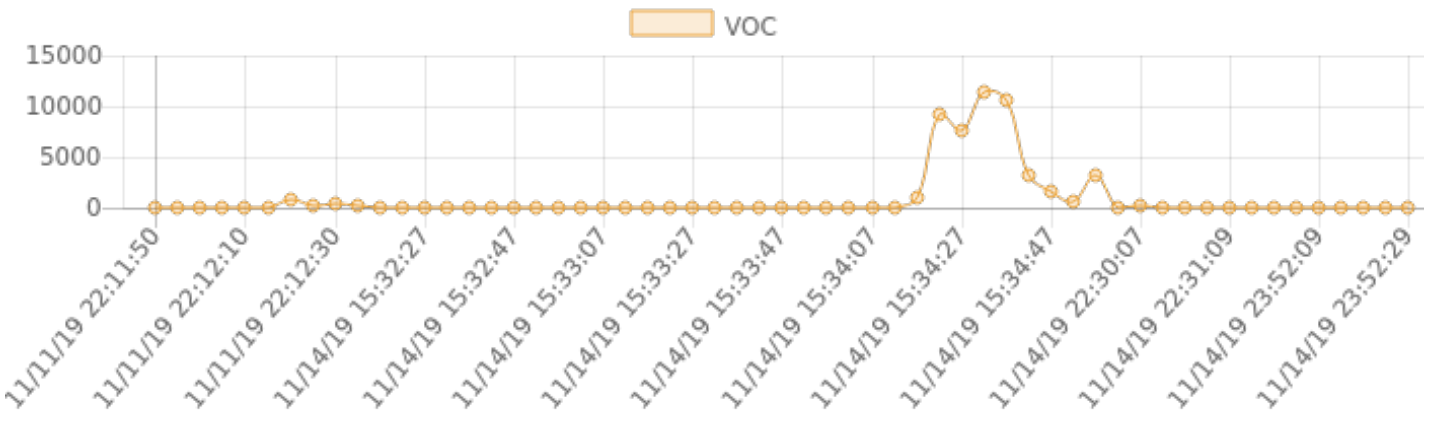
Pocket Particle 2.0

PM2.5 Average 17.7 ($\mu\text{g}/\text{m}^3$)		PM10 Average 7.4 ($\mu\text{g}/\text{m}^3$)		VOC Average 874.9 (ppb)		eCO2 Average 1091.3 (ppm)	
Min 0.0 ($\mu\text{g}/\text{m}^3$)	Max 100.4 ($\mu\text{g}/\text{m}^3$)	Min 0.0 ($\mu\text{g}/\text{m}^3$)	Max 26.0 ($\mu\text{g}/\text{m}^3$)	Min 0.0 (ppb)	Max 11314.4 (ppb)	Min 400.0 (ppm)	Max 6960.0 (ppm)

Recorded Data



Recorded Data



Recorded Data

