

**MAIN OFFICE:**

50 Salem Street, Ste. 103B
Lynnfield, MA 01940
(781) 213-9198

BRANCH OFFICES:

46 Watergate Lane
W. Barnstable, MA 02668
(508) 274-5703

10 Diamond Drive
Derry, NH 03038
(603) 434-5245

www.axiomenv.com

April 14, 2022

Mr. Michael Lane
Environmental Health & Safety Manager
Office of Court Management/
Facilities Management & Court Capital
Massachusetts Superior Courts
Lowell Justice Center
370 Jackson Street
Lowell, MA 01852

VIA EMAIL

AXIOM Project 01275.008

RE: Indoor Air Quality Testing, 80 State Street, Springfield, MA

Dear Mr. Lane,

At your request, Axiom Partners, Inc. (AXIOM) performed indoor air quality (IAQ) testing in the referenced superior courthouse building. The testing was performed on March 30, 2022, by AXIOM Industrial Hygienist, David A. Rooney and consisted of the following:

I. INDOOR AIR TESTING PROCESS**1. Visual Assessment of Interior Spaces**

AXIOM performed a general inspection of the interior spaces for visible signs of potential water damage or mold/fungal growth. This did not include above ceiling spaces and HVAC equipment.

2. General Air Quality Testing Parameters

AXIOM performed testing of indoor air quality parameters throughout the building using a direct reading Q-Trak[®] IAQ Monitor which continuously measures and records levels of carbon monoxide (CO), carbon dioxide (CO₂), temperature and relative humidity (rH).

AXIOM positioned the Q-Trak in 29 locations over the course of the day, with run times in each location ranging between 10 and 20 minutes. Locations were chosen to represent general air quality and the locations are documented on the attached floor plans.

Results were compared with established indoor air quality guidelines which are used to assess the adequacy of indoor air quality and ventilation.

3. Air Testing for Total Volatile Organic Compounds (TVOCs)

A calibrated TSI GM460 Gas Monitor was used to take real-time spot readings for TVOCs¹ in multiple locations throughout the building. The GM460 is a hand-held device that detects and measures more than 600 of the most common TVOCs and has a lower detection limit of 1.0 ppb.

¹ Includes a library of over 600 common VOCs

The screening locations and associated Gas Monitor responses were recorded on an indoor air sampling form. The locations mimicked the Q-Trak sampling locations.

4. Air Testing for Total Dust

AXIOM performed dust monitoring throughout the building using a direct-reading SidePak AM520 dust monitor. This portable unit measured and recorded total dust concentrations.

The SidePak™ Personal Aerosol Monitor AM520i is a portable, battery-operated, data-logging, device that provides real-time aerosol mass concentration readings of dusts, fumes, mists, smoke and fog.

AXIOM periodically moved the SidePak units throughout the building mimicking the Q-Trak and Gas Monitor sampling locations.

5. Air Testing for Non-Culturable Mold (Fungi)

AXIOM also collect air samples for direct optical examination for mold and fungal spores using Allergenco-D air sampling cassettes which are used for the rapid collection and analysis of a wide range of airborne aerosols, including fungal spores, pollen, insect parts, skin cell fragments, fibers, and inorganic particulates. AXIOM collected eight (8) air samples from inside the building and two (2) outdoor baseline/control samples (10 total samples).

The air samples were analyzed by EMSL Analytical, inc. (EMSL) located in Woburn, MA. EMSL is accredited by the American Industrial Hygiene Association (AIHA) for fungal analysis. A chain-of-custody form was used to document sample handling and to specify analytical requirements.

II. SUMMARY OF INDOOR AIR TESTING FINDINGS

1. Observations

During the course of performing the air testing, AXIOM inspected interior spaces in the building and made the following observations:

1. Most areas in the building appeared to be relatively clean.
2. No visible signs and no odors associated with mold/fungi were noted in the building areas investigated.
3. As reported in prior testing reports, water-stained ceiling tiles were observed in various locations throughout the building
4. As reported in prior testing reports, there were visible signs of water damage on paper boxes in the basement file storage room
5. As reported in prior testing reports, there were numerous areas with dirty HVAC diffusers and adjacent ceiling tiles
6. As reported in prior testing reports, some unidentified stains were observed on carpets in some offices (possibly from drink/coffee spills)

2. General Air Quality Testing Parameters, TVOCs and Total Dust

Table 1 provides a summary of the Q-Trak, SidePak and GM460 indoor air quality testing. In addition to taking regular measurements and recording them on a field form, the Q-Trak and SidePak units were operated in the data logging mode where it recorded and logged readings every 60 seconds throughout the sampling period. The GM460 is an automatic datalogging device that collects readings every 5 minutes when operational.

TABLE 1
SUMMARY OF Q-TRAK, SIDEPAK AND GM460 TESTING RESULTS

| AIR QUALITY PARAMETER | MINIMUM / MAXIMUM OF MEASURED VALUES | AVERAGE OF MEASURED VALUES | GUIDELINES |
|---|--------------------------------------|----------------------------|--|
| Temperature (T) | 68.7 / 81.8 °F | 74.8 °F | 68 – 75 °F ^{a,b} 73 – 79 °F (summer) |
| Relative Humidity (rH) | 10.2 / 21.9 % | 16.8 % | 30 – 60% ^{a,b} |
| Carbon Dioxide (CO ₂) | 477 / 943 ppm | 651 ppm | ≤ 800 ppm ^{b,c} |
| Carbon Monoxide (CO) | 0.0 / 0.2 ppm | 0.0 ppm | 9 ppm ^{a,b} /50 ppm ^d |
| Total Volatile Organic Compounds (TVOC) | 0 / 106 ppb | 37 ppb | 300 ppb ^{b, e} |
| Total Airborne Particulate | 0.000 / 0.610 mg/m ³ | 0.003 mg/m ³ | 15.0 mg/m ³ /5 ^d |

^a ASHRAE 55-2013 Std. (American Society of Heating, Refrigerating & Air Conditioning Engineers).

^b ≤ means less than or equal to, °F = degrees Fahrenheit, % = percent, ppm = parts per million, mg/m³ = milligrams per cubic meter; TWA = Time Weighted Average over 8-hours

^c Occupational Safety & Health Administration (OSHA) proposed indoor air quality (IAQ) rule (59 FR 15968).

^d OSHA (Occupational Safety and Health Administration) Permissible Exposure Limit.

^e Refer to attached Total VOC summary table in Attachment 6.

Attachment 1 includes the field recording forms. The Q-Trak, SidePak and GM460 data summaries and graphs are provided in Attachment 2.

4. Air Testing for Non-Culturable Mold (Fungi)

Table 4 provides a summary of the spore trap air sampling results, and the complete lab report is provided in Attachment 3.

TABLE 4
SUMMARY OF AIRBORNE FUNGAL SPORE TESTING RESULTS

| SAMPLE NUMBER | LOCATION | TOTAL FUNGI (S/m ³) ¹ | MOLD SPORE TYPE |
|---------------|---|--|-----------------------------|
| 4541536 | 3 rd Floor, Meeting Room 301 | 0 | None Detected |
| 4541491 | 3 rd Floor, Office 341 | 0 | None Detected |
| 4541503 | 2 nd Floor, Probation Office 242 | 90 | Aspergillus/Penicillium |
| 4541448 | 2 nd Floor, Conference Room A 220 | 0 | None Detected |
| 4541498 | 1 st Floor, Office 126 | 80 | Cladosporium, Myxomycetes++ |
| 4541532 | 1 st Floor, Juvenile Court Room #3 | 40 | Myxomycetes++ |
| 4541544 | Basement, Juvenile Detention A | 0 | None Detected |
| 4541531 | Basement, Basement Storage B15 | 0 | None Detected |
| 4541537 | Building Exterior, Housing Entrance | 90 | Basidiospores |
| 4541514 | Building Exterior, Juvenile Entrance | 90 | Basidiospores |

¹S/m³ = spore counts per cubic meter of air

Airborne fungi below 250 S/m³ are normally not a concern for indoor environments². Airborne levels outdoors are normally between 500 and 1,000 S/m³, but, can easily exceed 10,000 S/m³ during the spring and summer

² New York Committee for Occupational Safety and Health

months. Indoor airborne levels between 250 and 1,000 S/m³ are typically considered to be moderate and levels that exceed 1,000 S/m³ are often considered elevated³ and may result in active mold growth.

It is important to note that bioaerosols (fungi/mold) are always present and it is the excess quantity of microorganisms that can be of concern. By comparing the microbiological profiles of indoor sample results to outside samples, it is often possible to determine if amplification of microorganisms is occurring within the building.

Comparing the microbial profiles of the air samples, AXIOM has concluded that the airborne fungal spore levels on the days of the sampling were not elevated, and amplification was not occurring.

III. CONCLUSIONS

In summary, based on the results of the air quality testing described herein, AXIOM did not identify any air quality conditions or levels for measured parameters that were significantly outside acceptable levels of indoor air quality.

Although the TVOC levels are considered acceptable, it should be noted that as a result of increased cleaning and sanitizing inside building due to Covid-19, reports of higher-than-normal levels of TVOCs inside buildings have been seen.

Please do not hesitate to contact us if you have any questions.

Sincerely,



Evan MacArthur
Project Manager/Sr. IH



Stephen E. Minassian
Principal



Edward K. Kearney, CIH
Principal

Attachments: A1, Field data forms
A2, Direct Read Instrument Reports
A3, Fungi/mold testing report
A4, Sample location floor plans
A5, TVOC reference table

³ Occupational Safety and Health Administration Technical Manual, Section III, Chapter 2, § IV (c)

ATTACHMENT 1

FIELD DATA FORMS

IAQ READINGS

Date: 03/30/22
 Project No.: 01275.008
 Industrial Hygienist(s): David A. Rooney

Location: 80 State St, Springfield MA
 Project Name: Air Quality Investigation,
 Hampden Superior Court

| TIME | LOCATION | TEMP (°F) | RH (%) | CO ₂ (PPM) | CO (PPM) | VOCs (PPB) | PART. (MG/M ³) |
|-------|---|-----------|--------|-----------------------|----------|------------|----------------------------|
| 07:51 | Bldg, Exterior, Housing Court Entry | 31.0 | 41.1 | 494 | 0.0 | 0 | 0.016 |
| 07:58 | 3 rd Floor, Employee Break Room 307 | 70.4 | 20.2 | 551 | 0.0 | 54 | 0.002 |
| 08:11 | 3 rd Floor Meeting Room 301 | 70.7 | 19.1 | 547 | 0.0 | 41 | 0.001 |
| 08:23 | 3 rd Floor, Peck Library & Conference Room 321 | 71.0 | 17.9 | 493 | 0.0 | 27 | 0.001 |
| 08:34 | 3 rd Floor, Office 305 | 71.0 | 17.8 | 505 | 0.0 | 23 | 0.009 |
| 08:52 | 3 rd Floor, Juvenile Probation Department Room 338 | 74.0 | 17.0 | 575 | 0.0 | 29 | 0.003 |
| 09:05 | 3 rd Floor, Office 341 | 73.7 | 17.1 | 609 | 0.0 | 30 | 0.000 |
| 09:18 | 3 rd Floor, Employee Break Room 336 | 75.4 | 16.1 | 612 | 0.0 | 32 | 0.006 |
| 09:30 | 3 rd Floor, Elevator Lobby by Court Clinic 328 | 76.1 | 16.0 | 614 | 0.0 | 35 | 0.003 |
| 09:44 | 2 nd Floor, Probation Office 242 | 76.4 | 15.8 | 678 | 0.0 | 37 | 0.002 |
| 09:57 | 2 nd Floor, Probation Office 253 | 75.7 | 16.5 | 726 | 0.0 | 37 | 0.000 |
| 10:10 | 2 nd Floor, Hall by Judicial Department Office 227 | 76.0 | 15.8 | 704 | 0.0 | 38 | 0.001 |
| 10:24 | 2 nd Floor, Housing Court Room #1 | 72.9 | 10.5 | 478 | 0.0 | 24 | 0.003 |
| 10:37 | 2 nd Floor, Hall by Housing Court Room #2 | 73.8 | 17.1 | 799 | 0.0 | 34 | 0.004 |
| 10:51 | 2 nd Floor, Conference Room A 220 | 75.0 | 16.7 | 719 | 0.0 | 36 | 0.003 |
| 11:04 | 2 nd Floor, Stairs 210 | 75.7 | 17.5 | 792 | 0.0 | 41 | 0.001 |
| 11:18 | 1 st Floor, Hall by Bathrooms 114 | 75.9 | 18.7 | 812 | 0.0 | 48 | 0.004 |
| 11:31 | 1 st Floor, Housing Court Clerks Office | 75.8 | 17.9 | 741 | 0.0 | 51 | 0.001 |
| 11:45 | 1 st Floor, Office 126 | 76.6 | 15.4 | 720 | 0.0 | 42 | 0.004 |
| 11:58 | 1 st Floor, Hallway by Juvenile Court Room #2 | 77.6 | 16.4 | 789 | 0.0 | 48 | 0.001 |
| 12:12 | 1 st Floor, Juvenile Court Room #3 | 71.0 | 18.3 | 654 | 0.0 | 41 | 0.005 |
| 12:26 | 1 st Floor, Public Waiting Room 155 | 72.8 | 19.1 | 780 | 0.0 | 42 | 0.001 |
| 12:40 | 1 st Floor, Clerk Magistrate's Office | 76.4 | 15.3 | 654 | 0.0 | 45 | 0.003 |
| 12:55 | Basement, Juvenile Detention A | 75.5 | 17.3 | 708 | 0.0 | 46 | 0.001 |

°F = degrees Fahrenheit; % = percent; ppm = parts per million, mg/m³ = milligrams per cubic meter

IAQ READINGS

| | |
|--------------------------|-----------------|
| Date: | 03/30/22 |
| Project No.: | 01275.008 |
| Industrial Hygienist(s): | David A. Rooney |

Location: 80 State St, Springfield MA

Project Name: Air Quality Investigation,
Hampden Superior Court

[illegible]

^oF = degrees Fahrenheit; % = percent; ppm = parts per million, mg/m³ = milligrams per cubic meter

ATTACHMENT 2

**Q-TRAK REPORT & GRAPH,
SIDEPAK PARTICULATE REPORT & GRAPH
GM460 REPORT & GRAPH**

Test 001

Test 001

| Instrument | | Data Properties | |
|----------------|------------------------|------------------|------------|
| Model | VelociCalc/Q-Trak 7575 | Start Date | 03/29/2022 |
| Meter S/N | 7575X1910009 | Start Time | 18:32:17 |
| Probe Model | 982 | Stop Date | 03/30/2022 |
| Probe S/N | P19140039 | Stop Time | 14:12:18 |
| Meter Cal Date | 03/21/2022 | Total Time | 0:19:40:01 |
| | | Logging Interval | 60 seconds |

| Statistics | | | | |
|----------------|------------|------------|------------|------------|
| | CO2 | T | H | CO |
| Avg | 651 ppm | 74.8 deg F | 16.8 %rh | 0.0 ppm |
| Max | 943 ppm | 81.8 deg F | 21.9 %rh | 0.2 ppm |
| Max Date | 03/30/2022 | 03/30/2022 | 03/30/2022 | 03/30/2022 |
| Max Time | 12:28:18 | 13:32:18 | 07:59:19 | 13:34:18 |
| Min | 477 ppm | 68.7 deg F | 10.2 %rh | 0.0 ppm |
| Min Date | 03/30/2022 | 03/30/2022 | 03/30/2022 | 03/30/2022 |
| Min Time | 10:35:18 | 07:59:19 | 10:26:19 | 12:29:18 |
| TWA (8 hr) | 555 | | | 0.0 |
| TWA Start Date | 03/29/2022 | | | 03/29/2022 |
| TWA Start Time | 18:32:17 | | | 18:32:17 |
| TWA End Time | 14:12:18 | | | 14:12:18 |

Main Title

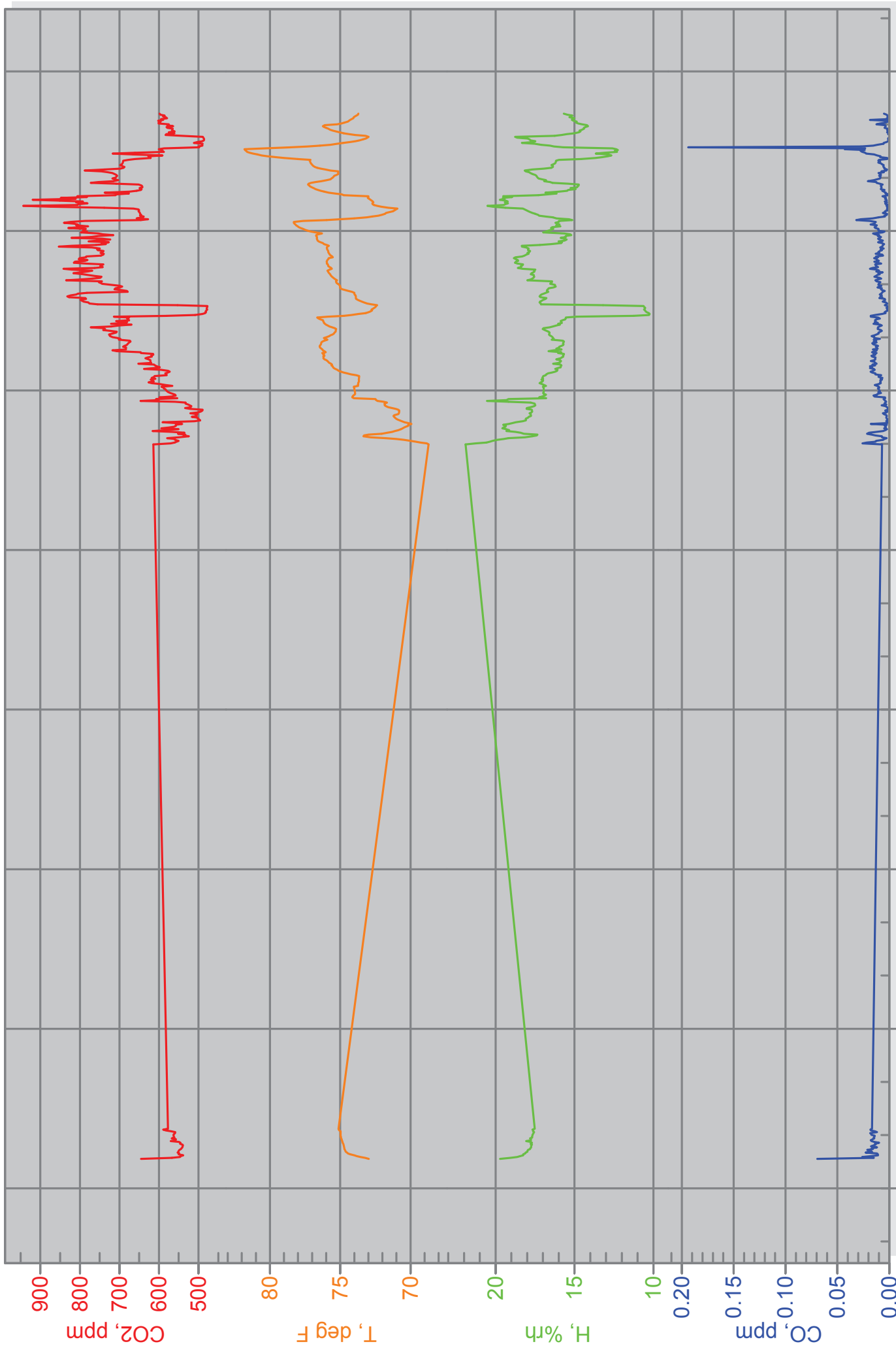
Sub Title

CO

H

T

CO2





UNDERSTANDING, ACCELERATED

Test 1 Report

Name: Test 1

Description: None

Location: Unknown

Instrument Name: SidePak Aerosol Monitor

Device Model Number: AM520

Device Serial Number: 5201912003

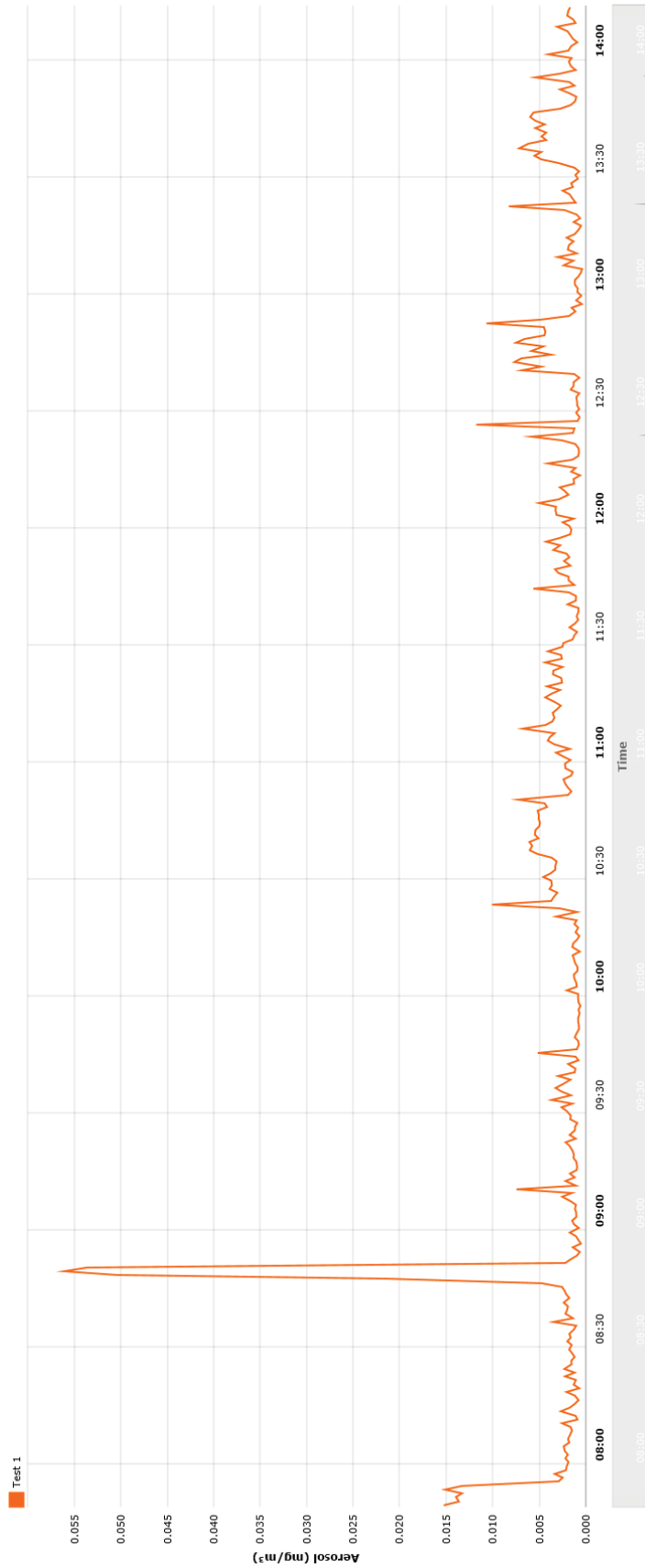
Firmware Version: A.08

Last Factory Calibration: 3/23/2022

| Data Properties | |
|-----------------------|-------------|
| Start Date | 3/30/2022 |
| Start Time | 7:49 AM |
| End Date | 3/30/2022 |
| End Time | 2:13 PM |
| Test Length | 00:06:23:58 |
| Logging Interval | 1 second(s) |
| Number of Data Points | 23038 |

| Additional Information | |
|------------------------|------|
| Threshold Alarms | 1 |
| STEL event(s) | True |

| Test Statistics | | | | | |
|------------------------------|---------|-----------------------------|--------------------------------|----------------------------|-------|
| Channel | Average | Minimum | Maximum | Cal Factor | TWA |
| Aerosol (mg/m ³) | 0.003 | 0 03/30/2022 02:13:09 | 0.61 03/30/2022 12:26:35 | 1 Factory 03/30/2022 | 0.002 |



GM460 Data Logger (Interval Trend)

3/30/2022 7:12:08 PM

Property Value

Name iv30074641_52H0254201-36RN
 Sampling Date/Time 3/30/2022 7:46:41 AM to 3/30/2022 2:13:44 PM
 Serial No. 52H0254201-36RN
 Station ID STATION_ID_001
 User ID USER_ID_001
 Data Count 78
 Interval Time (sec) 300

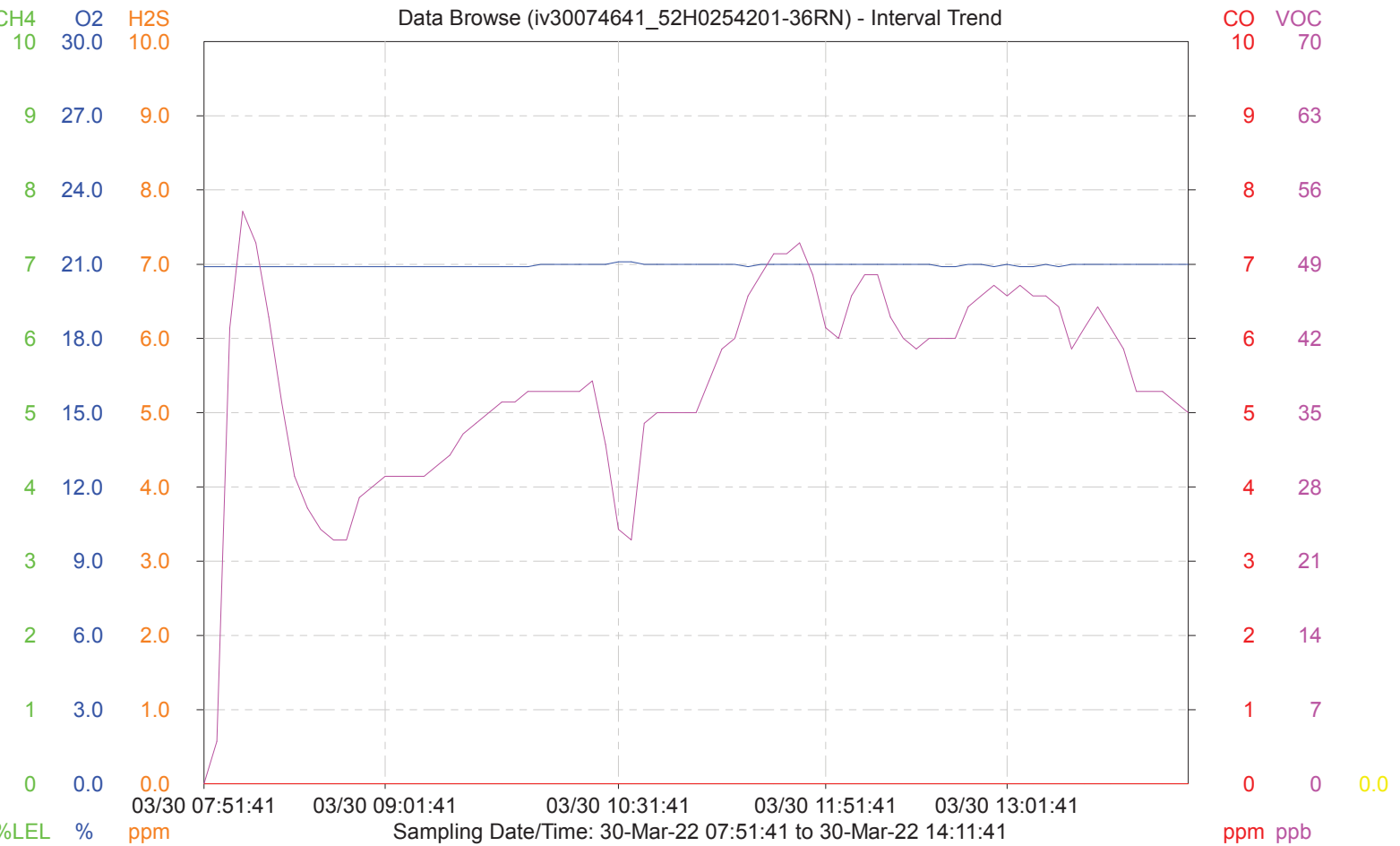
| | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|-----------|
| Gas(FullScale) | CH4(100%LEL) | O2(40.0%) | H2S(100.0ppm) | CO(500ppm) | VOC(50000ppb) | ----(---) |
| Avg | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| Max | 0 %LEL | 21.6 % | 0.0 ppm | 1 ppm | 106 ppb | ---- |
| Max Date/Time | 03/30 07:46:41 | 03/30 10:31:16 | 03/30 07:46:41 | 03/30 07:46:50 | 03/30 13:04:25 | ---- |
| Min | ***** | 20.9 % | ***** | ***** | ***** | ---- |
| Min Date/Time | ***** | 03/30 07:46:41 | ***** | ***** | ***** | ---- |
| Warning | 10 %LEL | 19.5 % | 5.0 ppm | 25 ppm | 5000 ppb | ---- |
| Alarm | 50 %LEL | 23.5 % | 30.0 ppm | 50 ppm | 10000 ppb | ---- |
| STEL | ***** | ***** | 5.0 ppm | 200 ppm | ***** | ---- |
| TWA | ***** | ***** | 1.0 ppm | 25 ppm | ***** | ---- |

| No | Date/Time | CH4(100%LEL) | O2(40.0%) | H2S(100.0ppm) | CO(500ppm) | VOC(50000ppb) | ----(---) |
|----|-----------------------|--------------|-----------|---------------|------------|---------------|-----------|
| 1 | 3/30/2022 7:46:53 AM | AIR | AIR | AIR | AIR | AIR | ---- |
| 2 | 3/30/2022 7:51:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 0 ppb | ---- |
| 3 | 3/30/2022 7:56:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 4 ppb | ---- |
| 4 | 3/30/2022 8:01:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 43 ppb | ---- |
| 5 | 3/30/2022 8:06:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 54 ppb | ---- |
| 6 | 3/30/2022 8:11:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 51 ppb | ---- |
| 7 | 3/30/2022 8:16:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 44 ppb | ---- |
| 8 | 3/30/2022 8:21:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 36 ppb | ---- |
| 9 | 3/30/2022 8:26:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 29 ppb | ---- |
| 10 | 3/30/2022 8:31:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 26 ppb | ---- |
| 11 | 3/30/2022 8:36:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 24 ppb | ---- |
| 12 | 3/30/2022 8:41:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 23 ppb | ---- |
| 13 | 3/30/2022 8:46:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 23 ppb | ---- |
| 14 | 3/30/2022 8:51:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 27 ppb | ---- |
| 15 | 3/30/2022 8:56:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 28 ppb | ---- |
| 16 | 3/30/2022 9:01:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 29 ppb | ---- |
| 17 | 3/30/2022 9:06:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 29 ppb | ---- |
| 18 | 3/30/2022 9:11:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 29 ppb | ---- |
| 19 | 3/30/2022 9:16:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 29 ppb | ---- |
| 20 | 3/30/2022 9:21:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 30 ppb | ---- |
| 21 | 3/30/2022 9:26:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 31 ppb | ---- |
| 22 | 3/30/2022 9:31:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 33 ppb | ---- |
| 23 | 3/30/2022 9:36:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 34 ppb | ---- |
| 24 | 3/30/2022 9:41:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 35 ppb | ---- |
| 25 | 3/30/2022 9:46:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 36 ppb | ---- |
| 26 | 3/30/2022 9:51:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 36 ppb | ---- |
| 27 | 3/30/2022 9:56:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 28 | 3/30/2022 10:01:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 29 | 3/30/2022 10:06:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 30 | 3/30/2022 10:11:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 31 | 3/30/2022 10:16:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 32 | 3/30/2022 10:21:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 38 ppb | ---- |
| 33 | 3/30/2022 10:26:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 32 ppb | ---- |
| 34 | 3/30/2022 10:31:41 AM | 0 %LEL | 21.1 % | 0.0 ppm | 0 ppm | 24 ppb | ---- |
| 35 | 3/30/2022 10:36:41 AM | 0 %LEL | 21.1 % | 0.0 ppm | 0 ppm | 23 ppb | ---- |
| 36 | 3/30/2022 10:41:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 34 ppb | ---- |
| 37 | 3/30/2022 10:46:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 35 ppb | ---- |
| 38 | 3/30/2022 10:51:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 35 ppb | ---- |
| 39 | 3/30/2022 10:56:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 35 ppb | ---- |
| 40 | 3/30/2022 11:01:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 35 ppb | ---- |
| 41 | 3/30/2022 11:06:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 38 ppb | ---- |
| 42 | 3/30/2022 11:11:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 41 ppb | ---- |

| No | Date/Time | CH4(100%LEL) | O2(40.0%) | H2S(100.0ppm) | CO(500ppm) | VOC(50000ppb) | ----(---) |
|----|-----------------------|--------------|-----------|---------------|------------|---------------|-----------|
| 43 | 3/30/2022 11:16:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 42 ppb | ---- |
| 44 | 3/30/2022 11:21:41 AM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 46 ppb | ---- |
| 45 | 3/30/2022 11:26:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 48 ppb | ---- |
| 46 | 3/30/2022 11:31:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 50 ppb | ---- |
| 47 | 3/30/2022 11:36:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 50 ppb | ---- |
| 48 | 3/30/2022 11:41:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 51 ppb | ---- |
| 49 | 3/30/2022 11:46:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 48 ppb | ---- |
| 50 | 3/30/2022 11:51:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 43 ppb | ---- |
| 51 | 3/30/2022 11:56:41 AM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 42 ppb | ---- |
| 52 | 3/30/2022 12:01:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 46 ppb | ---- |
| 53 | 3/30/2022 12:06:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 48 ppb | ---- |
| 54 | 3/30/2022 12:11:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 48 ppb | ---- |
| 55 | 3/30/2022 12:16:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 44 ppb | ---- |
| 56 | 3/30/2022 12:21:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 42 ppb | ---- |
| 57 | 3/30/2022 12:26:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 41 ppb | ---- |
| 58 | 3/30/2022 12:31:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 42 ppb | ---- |
| 59 | 3/30/2022 12:36:41 PM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 42 ppb | ---- |
| 60 | 3/30/2022 12:41:41 PM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 42 ppb | ---- |
| 61 | 3/30/2022 12:46:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 45 ppb | ---- |
| 62 | 3/30/2022 12:51:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 46 ppb | ---- |
| 63 | 3/30/2022 12:56:41 PM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 47 ppb | ---- |
| 64 | 3/30/2022 1:01:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 46 ppb | ---- |
| 65 | 3/30/2022 1:06:41 PM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 47 ppb | ---- |
| 66 | 3/30/2022 1:11:41 PM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 46 ppb | ---- |
| 67 | 3/30/2022 1:16:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 46 ppb | ---- |
| 68 | 3/30/2022 1:21:41 PM | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 45 ppb | ---- |
| 69 | 3/30/2022 1:26:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 41 ppb | ---- |
| 70 | 3/30/2022 1:31:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 43 ppb | ---- |
| 71 | 3/30/2022 1:36:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 45 ppb | ---- |
| 72 | 3/30/2022 1:41:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 43 ppb | ---- |
| 73 | 3/30/2022 1:46:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 41 ppb | ---- |
| 74 | 3/30/2022 1:51:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 75 | 3/30/2022 1:56:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 76 | 3/30/2022 2:01:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| 77 | 3/30/2022 2:06:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 36 ppb | ---- |
| 78 | 3/30/2022 2:11:41 PM | 0 %LEL | 21.0 % | 0.0 ppm | 0 ppm | 35 ppb | ---- |

| | |
|---------------------|--|
| Property | Value |
| Name | iv30074641_52H0254201-36RN |
| Sampling Date/Time | 3/30/2022 7:46:41 AM to 3/30/2022 2:13:44 PM |
| Serial No. | 52H0254201-36RN |
| Station ID | STATION_ID_001 |
| User ID | USER_ID_001 |
| Data Count | 78 |
| Interval Time (sec) | 300 |

| | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|-----------|
| Gas(FullScale) | CH4(100%LEL) | O2(40.0%) | H2S(100.0ppm) | CO(500ppm) | VOC(50000ppb) | ----(---) |
| Avg | 0 %LEL | 20.9 % | 0.0 ppm | 0 ppm | 37 ppb | ---- |
| Max | 0 %LEL | 21.6 % | 0.0 ppm | 1 ppm | 106 ppb | ---- |
| Max Date/Time | 03/30 07:46:41 | 03/30 10:31:16 | 03/30 07:46:41 | 03/30 07:46:50 | 03/30 13:04:25 | ---- |
| Min | ***** | 20.9 % | ***** | ***** | ***** | ---- |
| Min Date/Time | ***** | 03/30 07:46:41 | ***** | ***** | ***** | ---- |
| Warning | 10 %LEL | 19.5 % | 5.0 ppm | 25 ppm | 5000 ppb | ---- |
| Alarm | 50 %LEL | 23.5 % | 30.0 ppm | 50 ppm | 10000 ppb | ---- |
| STEL | ***** | ***** | 5.0 ppm | 200 ppm | ***** | ---- |
| TWA | ***** | ***** | 1.0 ppm | 25 ppm | ***** | ---- |



ATTACHMENT 3

**EMSL MOLD AIR SAMPLING
LABORATORY REPORT**



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132202283
Customer ID: AXIO80
Customer PO:
Project ID:

Attention: David A. Rooney
Axiom Partners, Inc.
50B Salem Street, Suite 103
Lynnfield, MA 01940

Phone: (781) 213-9198
Fax: (781) 213-6992
Collected Date: 03/30/2022
Received Date: 03/31/2022
Analyzed Date: 04/07/2022

Project: 01275.008 / Hampden Superior Court; 80 State Street; Springfield, MA

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

| Lab Sample Number: Client Sample ID: Volume (L): Sample Location: | 132202283-0001 4541536 75 3rd Floor, Meeting Room 301 | | | 132202283-0002 4541491 75 3rd Floor, Office 341 | | | 132202283-0003 4541503 75 2nd Floor, Probation Office 242 | | |
|--|--|---------------|------------|--|---------------|------------|--|----------|------------|
| Spore Types | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | - | - | - | - | - | - |
| Aspergillus/Penicillium | - | - | - | - | - | - | 2 | 90 | 100 |
| Basidiospores | - | - | - | - | - | - | - | - | - |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium++ | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | - | - | - | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - |
| Fusarium++ | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - |
| Pithomyces++ | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Total Fungi | - | None Detected | - | - | None Detected | - | 2 | 90 | 100 |
| Hyphal Fragment | - | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 43 | - | - | 43 | - | - | 43 | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | 13* | - | - | 13* | - |
| Skin Fragments (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - |

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. *- Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. Skin & Fibrous ratings: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-100%) of the background particles.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA-LAP, LLC-EMLAP Accredited #180179

Initial report from: 04/07/2022 12:27 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132202283
Customer ID: AXIO80
Customer PO:
Project ID:

Attention: David A. Rooney
Axiom Partners, Inc.
50B Salem Street, Suite 103
Lynnfield, MA 01940

Phone: (781) 213-9198
Fax: (781) 213-6992
Collected Date: 03/30/2022
Received Date: 03/31/2022
Analyzed Date: 04/07/2022

Project: 01275.008 / Hampden Superior Court; 80 State Street; Springfield, MA

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

| | | | | | | | | | |
|---------------------------|----------------------------------|---------------|------------|-----------------------|----------|------------|-----------------------------------|----------|------------|
| Lab Sample Number: | 132202283-0004 | | | 132202283-0005 | | | 132202283-0006 | | |
| Client Sample ID: | 4541448 | | | 4541498 | | | 4541532 | | |
| Volume (L): | 75 | | | 75 | | | 75 | | |
| Sample Location: | 2nd Floor, Conference Room A 220 | | | 1st Floor, Office 126 | | | 1st Floor, Juvenile Court Room #3 | | |
| Spore Types | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | - | - | - | - | - | - |
| Aspergillus/Penicillium | - | - | - | - | - | - | - | - | - |
| Basidiospores | - | - | - | - | - | - | - | - | - |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium++ | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | 1 | 40 | 50 | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - |
| Fusarium++ | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | - | - | - | 1 | 40 | 50 | 1 | 40 | 100 |
| Pithomyces++ | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Total Fungi | - | None Detected | - | 2 | 80 | 100 | 1 | 40 | 100 |
| Hyphal Fragment | - | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 43 | - | - | 43 | - | - | 43 | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | 13* | - | - | 13* | - |
| Skin Fragments (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - |

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. *- Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. Skin & Fibrous ratings: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-100%) of the background particles.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA-LAP, LLC-EMLAP Accredited #180179

Initial report from: 04/07/2022 12:27 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132202283
Customer ID: AXIO80
Customer PO:
Project ID:

Attention: David A. Rooney
Axiom Partners, Inc.
50B Salem Street, Suite 103
Lynnfield, MA 01940

Phone: (781) 213-9198
Fax: (781) 213-6992
Collected Date: 03/30/2022
Received Date: 03/31/2022
Analyzed Date: 04/07/2022

Project: 01275.008 / Hampden Superior Court; 80 State Street; Springfield, MA

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

| Lab Sample Number: Client Sample ID: Volume (L): Sample Location: | 132202283-0007 4541544 75 Basement, Juvenile Detention A | | | 132202283-0008 4541531 75 Basement, Storage Room B15 | | | 132202283-0009 4541537 75 Building Exterior at Housing Court | | |
|--|---|---------------|------------|---|---------------|------------|---|----------|------------|
| Spore Types | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | - | - | - | - | - | - |
| Aspergillus/Penicillium | - | - | - | - | - | - | - | - | - |
| Basidiospores | - | - | - | - | - | - | 2 | 90 | 100 |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium++ | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | - | - | - | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - |
| Fusarium++ | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - |
| Pithomyces++ | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Total Fungi | - | None Detected | - | - | None Detected | - | 2 | 90 | 100 |
| Hyphal Fragment | - | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 43 | - | - | 43 | - | - | 43 | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | 13* | - | - | 13* | - |
| Skin Fragments (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - |

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. *- Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. Skin & Fibrous ratings: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-100%) of the background particles.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA-LAP, LLC-EMLAP Accredited #180179

Initial report from: 04/07/2022 12:27 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801
Tel/Fax: (781) 933-8411 / (781) 933-8412
<http://www.EMSL.com> / bostonlab@emsl.com

EMSL Order: 132202283
Customer ID: AXIO80
Customer PO:
Project ID:

Attention: David A. Rooney
Axiom Partners, Inc.
50B Salem Street, Suite 103
Lynnfield, MA 01940

Phone: (781) 213-9198
Fax: (781) 213-6992
Collected Date: 03/30/2022
Received Date: 03/31/2022
Analyzed Date: 04/07/2022

Project: 01275.008 / Hampden Superior Court; 80 State Street; Springfield, MA

Test Report: Allergenco-D™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

| | | | | | | | | | |
|---------------------------|-------------------------------------|-----------|------------|---|---|---|---|---|---|
| Lab Sample Number: | 132202283-0010 | | | | | | | | |
| Client Sample ID: | 4541514 | | | | | | | | |
| Volume (L): | 75 | | | | | | | | |
| Sample Location: | Building Exterior at Juvenile Court | | | | | | | | |
| Spore Types | Raw Count | Count/m³ | % of Total | | | | | | |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | - | - | - | - | - | - |
| Aspergillus/Penicillium | - | - | - | - | - | - | - | - | - |
| Basidiospores | 2 | 90 | 100 | - | - | - | - | - | - |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium++ | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | - | - | - | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - |
| Fusarium++ | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - |
| Pithomyces++ | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Total Fungi | 2 | 90 | 100 | - | - | - | - | - | - |
| Hyphal Fragment | - | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 43 | - | - | - | - | - | - | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | - | - | - | - | - |
| Skin Fragments (1-4) | - | - | - | - | - | - | - | - | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | - | - | - | - | - |
| Background (1-5) | - | 1 | - | - | - | - | - | - | - |

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. Skin & Fibrous ratings: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-100%) of the background particles.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA-LAP, LLC-EMLAP Accredited #180179

Initial report from: 04/07/2022 12:27 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

132202283

EMSL ANALYTICAL, INC.

5 CONSTITUTION WAY

WOBURN, MA 01801

PHONE: 781-933-8411

FAX: 781-933-8412

| | | | | | |
|---|---|--|----------------------------------|--|--|
| Company : AXIOM Partners Inc | | | | EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different please note in Comments** | |
| Street: 50 B Salem, Suite 103 | | | | Third Party Billing requires written authorization from third party | |
| City: Lynnfield | | State/Province: MA | | Zip/Postal Code: 01940 | Country: USA |
| Report To (Name): David A. Rooney | | | | Fax #: 781-213-6992 | |
| Telephone #: 603-505-5877 | | | | E-mail Address: drooney@axiomenv.com | |
| Project Name/ Number: 01275.008 / Hampden Superior Ct 80 State St Springfield MA | | | | | |
| Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> E-mail | | PO# | | State Samples Taken: MA | |
| Turnaround Time (TAT) Options* - Please Check | | | | | |
| <input type="checkbox"/> 3 Hour | <input type="checkbox"/> 6 Hour | <input type="checkbox"/> 24 Hour | <input type="checkbox"/> 48 Hour | <input type="checkbox"/> 72 Hour | <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week |
| *Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements | | | | | |
| Non Culturable Air Samples (Spore Traps) | | | | | |
| <ul style="list-style-type: none"> • M001 Air-O-Cell • M049 BioSIS • M030 Micro 5 | | <ul style="list-style-type: none"> • M173 Allegro M2 • M003 Burkard • M174 MoldSnap | | <ul style="list-style-type: none"> • M004 Allergenco • M043 Cyclcx • M176 Relle Smart | |
| | | | | <ul style="list-style-type: none"> • M032 Allergenco-D • M002 Cyclcx-d • M130 Via-Cell | |
| Other Microbiology Test Codes | | | | | |
| <ul style="list-style-type: none"> • M041 Fungal Direct Examination • M005 Viable Fungi ID and Count • M006 Viable Fungi ID and Count (Speciation) • M007 Culturable Fungi • M008 Culturable Fungi (Speciation) • M009 Gram Stain Culturable Bacteria • M010 Bacterial Count and ID – 3 Most Prominent • M011 Bacterial Count and ID – 5 Most Prominent • M013 Sewage Contamination in Buildings | | <ul style="list-style-type: none"> • M014 Endotoxin Analysis • M015 Heterotrophic Plate Count • M180 Real Time Q-PCR-ERMI 36 Panel • M018 Total Coliform (Membrane Filtration) • M020 Fecal Streptococcus (Membrane Filtration) • M210-215 Legionella Detection • M026 Recreational Water Screen • M027 Mycotoxin Analysis | | <ul style="list-style-type: none"> • M029 Enterococci • M019 Fecal Coliform • M133 MRSA Analysis • M028 Cryptococcus neoformans Detection • M120 Histoplasma capsulatum Detection • M033-39 Allergen Testing • M044 Group Allergen (Cat, Dog, Cockroach, Dustmites) • Other See Analytical Price Guide | |
| Preservation Method (Water): | | | | | |
| Name of Sampler: | | | Signature of Sampler: | | |
| Sample # | Sample Location | Sample Type | Test Code | Volume/Area | Date/Time Collected |
| 4541536 | 3 rd Floor, Meeting Room 301 | AIR | M032 | 75 L | 03/30/22 08:13 |
| 4541491 | 3 rd Floor, Office 341 | AIR | M032 | 75 L | 03/30/22 09:07 |
| 4541503 | 2 nd Floor, Probation Office 242 | AIR | M032 | 75 L | 03/30/22 09:47 |
| 4541448 | 2 nd Floor, Conference Room A 220 | AIR | M032 | 75 L | 03/30/22 09:53 |
| 4541498 | 1 st Floor, Office 126 | AIR | M032 | 75 L | 03/30/22 11:49 |
| 4541532 | 1 st Floor, Juvenile Court Room #3 | AIR | M032 | 75 L | 03/30/22 12:13 |
| 4541544 | Basement, Juvenile Detention A | AIR | M032 | 75 L | 03/30/22 12:58 |
| 4541531 | Basement, Storage Room B15 | AIR | M032 | 75 L | 03/30/22 13:35 |
| 4541537 | Bldg. Exterior at Housing Court Entry | AIR | M032 | 75 L | 03/30/22 07:48 |
| 4541514 | Bldg. Exterior at Juvenile Court Entry | AIR | M032 | 75 L | 03/30/22 12:19 |
| Client Sample # (s): | | | Total # of Samples: | | |
| Relinquished (Client): <i>[Signature]</i> | | | Date: 3-30-22 | Time: | |
| Received (Client): | | | Date: | Time: | |
| Comments: | | | | | |

REC'D
EMSL-BOSTON
MAR 31 2022
[Signature]

ATTACHMENT 4

SAMPLE LOCATION FLOOR PLANS



LEGEND

IAQ Sample Location

Mold Sample Location

M05

Bi-Weekly IAQ Survey
Round 8 of 10
March 30, 2022

1 HAMPDEN SUP CT
BASEMENT FLOOR PLAN

| | | | | | |
|--|--|--|--|---|--|
| <div> <div>PLAN NOT FOR CONSTRUCTION</div> <div> </div> </div> | <div> <div>AXIOM PARTNERS, INC.</div> <div>50 B Salem St., Suite 103</div> <div>Lynnfield, MA 01940</div> <div>(781) 213-9198</div> <div>www.axiomenv.com</div> </div> | | <div> <div>PROJECT TITLE</div> <div>Hampden Sup. Ct IAQ Survey</div> <div>80 State St. Springfield MA</div> </div> | <div> <div>DATE</div> <div>03/30/22</div> </div> | <div> <div>AXIOM PARTNERS, INC.</div> <div>50 B Salem St., Suite 103</div> <div>Lynnfield, MA 01940</div> <div>(781) 213-9198</div> <div>www.axiomenv.com</div> </div> |
| | <div> <div>APPROVED</div> <div>APPROVED</div> </div> | <div> <div>REVISION NUMBER</div> <div>01275.008</div> </div> | <div> <div>REVISION NO.</div> <div>IAQ 1</div> </div> | <div> <div>REVISION</div> <div>01275.008</div> </div> | |

LEGEND

IAQ Sample Location

Mold Sample Location

M07

M09

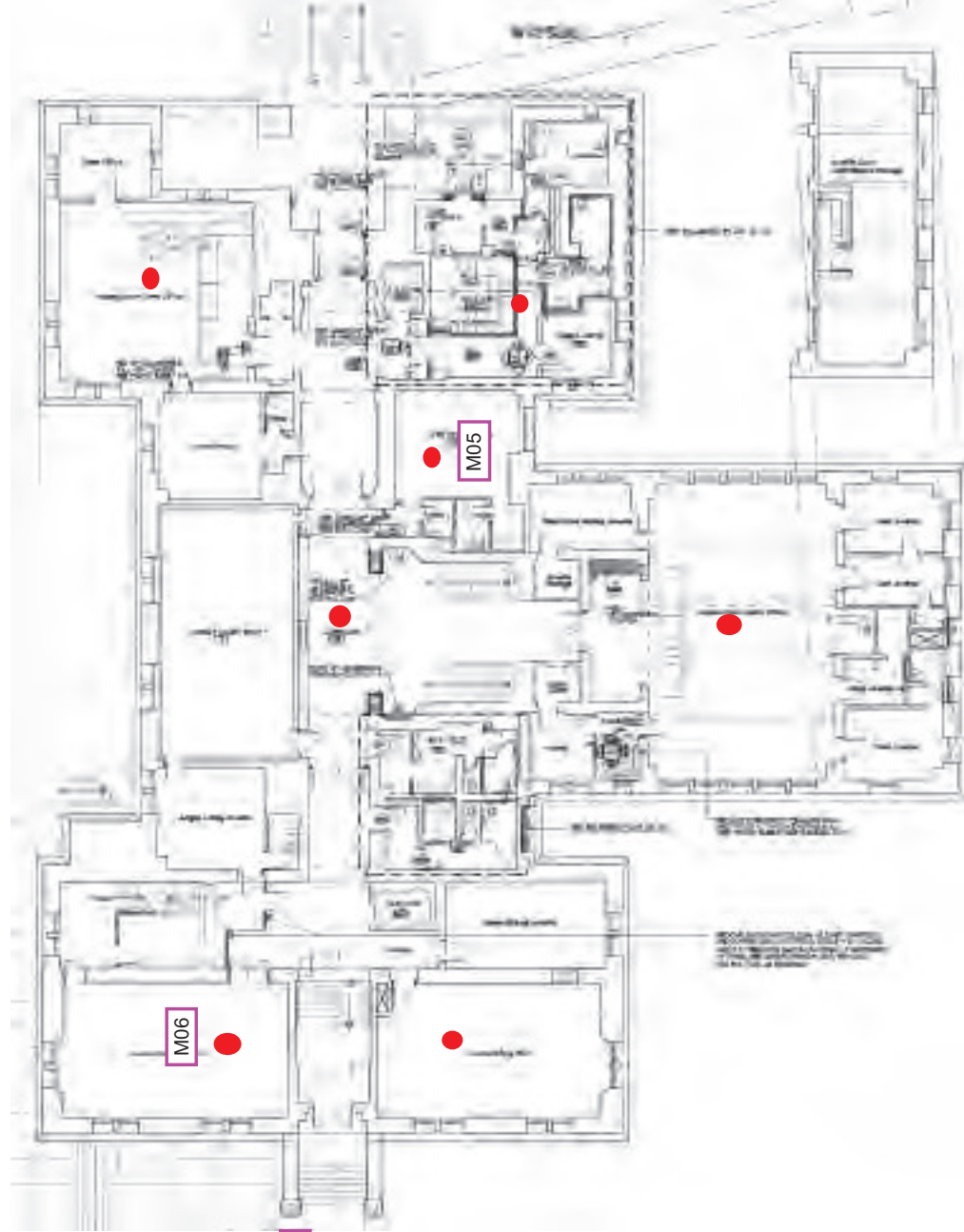
M05

M06

M10

Bi-Weekly IAQ Survey
Round 8 of 10
March 30, 2022

2 HAMPDEN SUP CT
FIRST FLOOR PLAN



| | | | | | | | | | | | | |
|---|--|--|--|---|--|--|--|---|--|--|--|--|
| PLAN NOT FOR CONSTRUCTION REVISIONS DATE | | 80 State Street, Springfield MA | | AXIOM PARTNERS, INC. 50 B Salem St., Suite 103 Lynnfield, MA 01940 (781) 213-9198 www.axiomenv.com | | FORMAL TITLE Hampden Superior Ct 1st Floor Plan APPROVED: _____ APPROVED: _____ | | PROJECT TITLE Hampden Sup. Ct IAQ Survey 80 State St. Springfield MA BUILDING NUMBER: _____ LOCATION: _____ | | DATE 03/30/22 ISSUE NO. 01275.008 ISSUED BY IAQ 2 DWG. 2 OF 4 | | |
| | | | | | | | | | | | | |

LEGEND

IAQ Sample Location

Mold Sample Location

M03

Bi-Weekly IAQ Survey
Round 8 of 10
March 30, 2022

3 HAMPDEN SUP CT
SECOND FLOOR PLAN



| | | | | | | | | | | | | | |
|----------------------------------|--|--|--|---|--|--|--|---|--|--------------------------|--|------------------------|--|
| PLAN NOT FOR CONSTRUCTION | | 80 State Street, Springfield MA | | AXIOM PARTNERS, INC. 50 B Salem St., Suite 103 Lynnfield, MA 01940 (781) 213-9198 www.axiomenv.com | | Hampden Superior Ct 2nd Floor Plan | | PROJECT TITLE Hampden Sup. Ct IAQ Survey 80 State St. Springfield MA | | DATE 03/30/22 | | | |
| | | REVISIONS | | APPROVED _____ | | APPROVED _____ | | REVISION NUMBER _____ | | LOCATION _____ | | ISSUED _____ | |

LEGEND

IAQ Sample Location

Mold Sample Location



Bi-Weekly IAQ Survey
Round 8 of 10
March 30, 2022

4 HAMPDEN SUP CT
THIRD FLOOR PLAN

| | | | | | | | | | | | |
|--|-----------|---------------------------------|--|--|--|--|--|-------------------------|--|----------------------|--|
| PLAN NOT FOR CONSTRUCTION REVISIONS | NORTH | 80 State Street, Springfield MA | | AXIOM PARTNERS, INC. 50 B Salem St., Suite 103 Lynnfield, MA 01940 (781) 213-9198 www.axiomenv.com | | PROJECT TITLE Hampden Sup. Ct IAQ Survey 80 State St. Springfield MA | | DATE 03/30/22 | | AXIOM PARTNERS, INC. | |
| | | APPROVED _____ | | REVIEW NUMBER _____ | | LOCATION _____ | | REVIEW NO. 01275.008 | | IAQ 4 PWS. 4 OF 4 | |

ATTACHMENT 5

TVOC CONCENTRATION REFERENCE TABLE

TVOC INDOOR AIR CONCENTRATION REFERENCE GUIDE

| TVOC Level ug/m3 | Level of Concern | Symptoms | Comments |
|------------------------------------|------------------|--|---|
| <300 (0.3 ppm) | Low | No irritation or discomfort is expected | There is a low likelihood that specific VOC sources are present |
| 300 to 500 (0.3 to 0.5 ppm) | Acceptable | Occasional irritation or discomfort may be possible with sensitive individuals | There is a low to moderate likelihood that specific VOC sources are present |
| 500 to 1,000 (0.5 to 1.0 ppm) | Marginal | Complaints about irritation and discomfort are possible in sensitive individuals | A moderate likelihood that specific VOC sources are it is recommended that steps be taken to identify the sources |
| 1,000 to 3,000 (1.0 to 3.0 ppm) | High | Irritation and discomfort are very likely | A high likelihood that specific VOC sources are present and it is highly recommended that steps be taken to identify them |
| >3,000 (>3.0 ppm) | Very High | Irritation and discomfort are very possible | These levels are usually found in an industrial environment where workers are exposed to chemicals |