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# Ameren Taylorville Former MGP Site

## Summary of Air Emissions Monitored During Pilot Study And Corrective Measures Taken

Ameren

DATE
17 November 2023

REFERENCE
0698874

SIGNATURE PAGE

# Ameren Taylorville Former MGP Site

## Pilot Study Air Report

0698874

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# CONTENTS


| | | |
|---|---|---|
| 1. | INTRODUCTION | 1 |
| 1.1 | DESCRIPTION OF EXCAVATION ACTIVITIES | 2 |
| 2. | SITE AIR PROGRAM | 2 |
| 2.1 | EMISSION AND ODOR CONTROL MEASURES | 2 |
| 2.2 | AIR MONITORING NETWORK AND DATA COLLECTION | 3 |
| 2.3 | EARLY WARNING AND ACTION LEVELS | 4 |
| 3. | AIR MEASUREMENTS | 6 |
| 3.1 | $PM_{10}$ EXCEEDING EARLY WARNING LEVELS | 7 |
| 3.2 | TOTAL VOCS EXCEEDING EARLY WARNING LEVELS | 7 |
| 3.3 | BENZENE EXCEEDING EARLY WARNING LEVELS | 8 |

APPENDIX A $PM_{10}$ AND METEOROLOGICAL DATA RECORDS

APPENDIX B VOC & BENZENE DATA RECORDS


## LIST OF TABLES


| | |
|---|---|
| TABLE 1: MONITORED PARAMETERS, THRESHOLDS, AND RESPONSES | 6 |
| TABLE 2: $PM_{10}$ VALUES EXCEEDING EARLY WARNING LEVELS | 7 |
| TABLE 3: TOTAL VOC READINGS EXCEEDING EARLY WARNING LEVELS | 7 |
| TABLE 4: BENZENE READINGS EXCEEDING EARLY WARNING LEVELS | 9 |


## LIST OF FIGURES


| | |
|---|---|
| FIGURE 1: MONITORING SITE LOCATIONS | 4 |

## ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| AAMP | Ambient Air Monitoring Plan |
| AEL | acceptable exposure level |
| Ameren | Ameren Services |
| Bgs | below ground surface |
| ERM | Environmental Resources Management, Inc. |
| IDPH | Illinois Department of Public Health |
| IEPA | Illinois Environmental Protection Agency |
| ISS | in-situ stabilization / solidification |
| NAAQS | National Ambient Air Quality Standards |
| NIOSH | National Institute for Occupational Health and Safety |
| OHSA | Occupational Health and Safety Administration |
| PID | photoionization detector |
| $PM_{10}$ | particulate matter less than 10 microns |
| SAM | stationary air monitor |
| STEL | short-term exposure level |
| SVOC | semi-volatile organic compounds |
| TWA | time-weighted average |
| USEPA | US Environmental Protection Agency |

# 1. INTRODUCTION

From August 8 to October 4, 2023, and following approval from the Illinois Environmental Protection Agency (IEPA), on behalf of the Ameren Services Company (Ameren), ERM performed Pilot Study activities at the Taylorville former Manufactured Gas Plant Site ("Site") to evaluate the effectiveness of a remediation technology known as in-situ stabilization / solidification (ISS). At present, groundwater in the central portion of the Site has concentrations of benzene and naphthalene that exceed applicable groundwater quality standards. The groundwater is being pumped and treated before discharge to the adjacent property south of the Site, which is owned by Ameren. The pump & treat system began operating over 28 years ago and the bulk of the impacts were removed in the first 10 to 12 years of operation. At the lower concentrations of the remaining impacts, the constituents become less mobile as they adhere to the soil matrix. Pump & treat technology becomes less effective at withdrawing the constituents from the soil matrix at lower concentrations. Current estimates are that it will take approximately 100 years of continued pump & treat operation to achieve groundwater quality standards for naphthalene in the south-central portion of the Site. This is similar to the estimate of time it would take for natural processes to biodegrade the constituents within the soil matrix, indicating that pump & treat operations contribute little to remediation of the constituents as the concentrations near the groundwater quality standard.

ISS will mix binding agents – carbon and Portland cement – into the soil matrix to stabilize the constituents and solidify the soil matrix. This will allow the groundwater next to the bound soil matrix to return to groundwater quality standards in a much shorter time frame and prevent future impacts to groundwater. All remedial activities at the Site are performed under the supervision of IEPA and pursuant to the requirements of September 1992 Record of Decision (ROD). Remedial measures have been ongoing since 1986 at the Site.

As part of the solidification process, ISS disturbs subsurface materials which can result in a release of air emissions including odors. To monitor and mitigate (reduce) emissions, including odors, during remedial activities at the Site, Ameren has submitted an Ambient Air Monitoring Plans (AAMP) for the ISS activities at the Site to IEPA for approval. During the seven weeks of Pilot Study activities conducted up to 4 October 2023, and in the interim period of work stoppage ordered by IEPA, air monitoring activities have been and continue to be conducted at the Site. This report summarizes the results of that air monitoring from 11 August 2023, which was the start of ground disturbance activities in the Pilot Study, to 4 October 2023, when ground disturbance ceased. This report also includes a description of measures that will be taken during remediation activities to mitigate air emissions and odors and ensure that the remediation is performed safely for the protection of Site staff and the public.

## 1.1 DESCRIPTION OF EXCAVATION ACTIVITIES

ISS uses specialized equipment that can mix deep soil, located up to approximately 75 feet below grade, with a binder material. The residual constituents, which are the target of the ISS remediation to be completed, are primarily at a depth of 40 to 60 feet below ground surface (bgs), in the central to south-central portion of the Site. The binder material consists of Portland cement and carbon to stabilize and solidify the soil. Specialized equipment is staged at approximately 9.5 feet bgs, within an excavation into the clean backfill at the Site. Using large diameter augers, drilling into the deeper soil is conducted to mix binding materials into the soil matrix at the Site.

# 2. SITE AIR PROGRAM

## 2.1 EMISSION AND ODOR CONTROL MEASURES

The addition of the binding materials results in an ISS mixture of soil and binder that can expand to a point above the floor of the excavation. This mix of soil, carbon, and/or Portland cement is commonly referred to as "swell" material. After the mixing is complete, the specialized equipment is moved away from the column being installed. Immediately after, a non-toxic, biodegradable foam is applied to the swell material to suppress odors and emissions. This foam is commonly used at construction, landfill, and remediation projects to control dust, volatilization, and odors. The swell material and the applied foam are removed from the excavation floor and taken to the first available truck. On the truck, the material is foamed again and covered by a secured tarp, pending disposal at Five Oaks Landfill in Taylorville, Illinois. The swell material is sampled and is only disposed of at the landfill following confirmation of acceptable sampling results. It is during the swell removal and loading processes that odors are most likely to be emitted into the air at the Site.

Site staff, including a full-time environmental scientist who is solely dedicated to monitoring the air, monitor the removal and loading processes. The control of air emissions is a priority at the Site and, in addition to the actions to be taken described below if indicated by air measurements, Site staff are empowered to apply additional foam if they determine it is needed. Mats are also applied to the floor of the subsurface platform and additional mats are available and can be added to the floor if indicated to do so by the dedicated air monitoring personnel or Contractor staff.

The experience of this project's contractors at other sites, the literature regarding other ISS projects involving MGP sites, and the air observations collected during the extensive sampling of impacted areas at the Site in 2022 indicated that Site staff do not have to wear air-protective personal protection equipment (PPE) for the ISS-related subsurface activities at the Site. However, a robust air monitoring program is conducted at the Site for the protection of workers and the public. As many of the constituents of MGP residuals can be smelled before they reach concentrations that would pose a risk to Site staff or the public, odor is a qualitative component to

the program. The prevention of any odor, regardless of if it is a health concern or not, is a goal for the program as Ameren wants to mitigate odors leaving the Site. If site staff smell sustained or significant odors emitting from the material onsite, regardless of what the air measurements are, additional measures are taken including the placement of mats and the application of non-toxic foam. At the end of each working day, stockpiles and exposed soil surfaces are covered to control odors and emissions, and the air monitoring technician will monitor air quality at perimeter locations and the stockpile and excavation area.

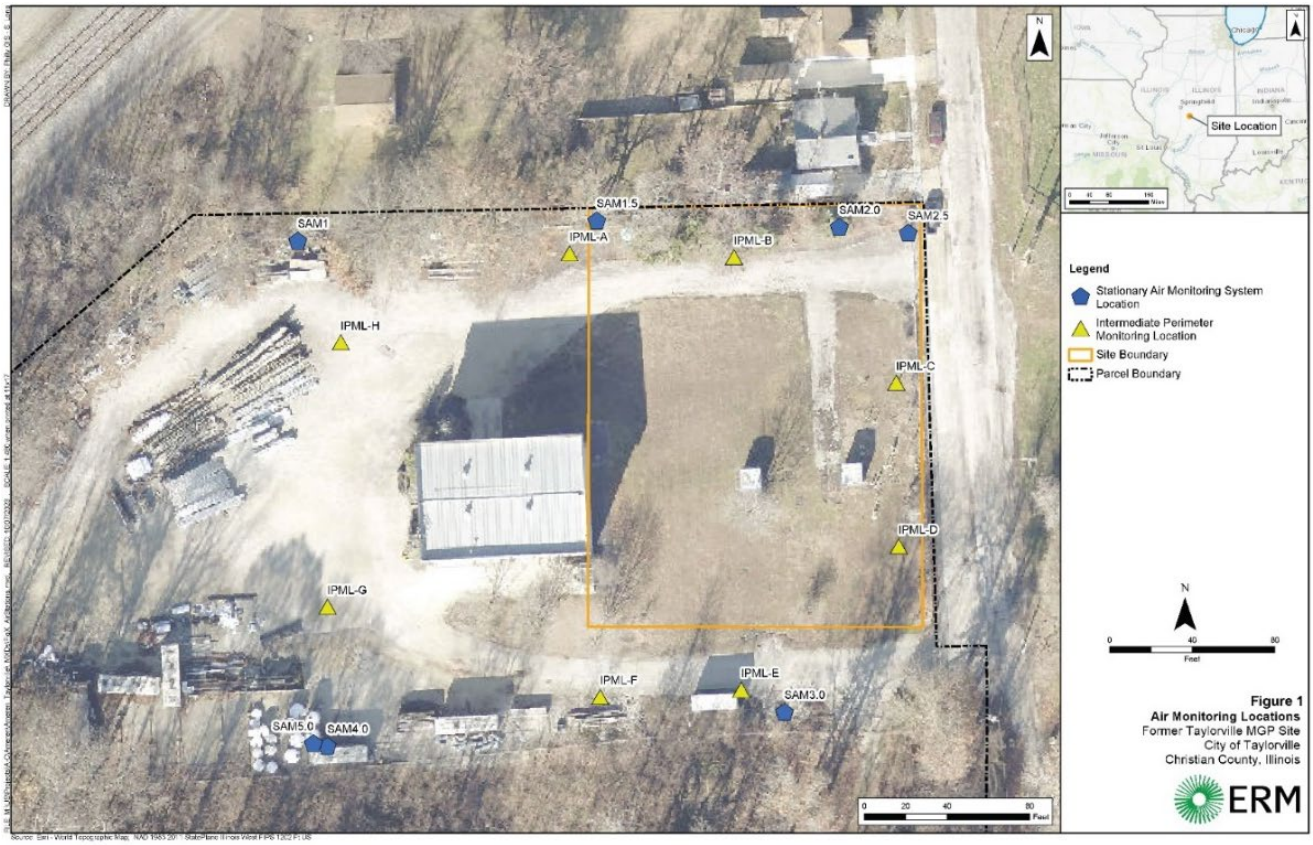
## 2.2 AIR MONITORING NETWORK AND DATA COLLECTION

Quantitative air monitoring is also being conducted at the Site; during working hours by staff and equipment and around-the-clock by equipment at the Site. This is done using a combination of real-time air quality analyzers, active and passive air quality sampling apparatuses, and weather sensors. This is complemented by personnel observations and documentation from staff solely dedicated to air monitoring. There are presently seven monitors located around the perimeter of the remediation site, including the northern residential border and the eastern fence adjacent to S. Webster Street and across from Manners Park. The air monitoring conducted at the Site observes and measures dust levels ($PM_{10}$), total volatile organic compounds (VOCs), and as needed, benzene. *The SAMs also collect physical air samples for laboratory analyses of individual VOCs and semi-volatile organic compounds (SVOCs). These will be utilized by project personnel in post-remediation evaluation activities*.

A meteorological station is also located onsite to monitor weather conditions including wind speed and direction, relative humidity, temperature, barometric pressure, and rainfall.

The map showing the monitoring site locations (Site) is presented in Figure 1.

FIGURE 1: MONITORING SITE LOCATIONS




An air monitoring technician is present at the Site during all working hours and is dedicated to implementation of the AAMP. This includes conducting regularly scheduled monitoring tasks, additional monitoring during loading activities, and additional tasks upon observing odors at the Site. This person also monitors the real-time, online data that is being collected at the SAMs at the Site. Data and observations are documented on instrument dataloggers, in field logbooks, and in program-specific forms.

## 2.3 EARLY WARNING AND ACTION LEVELS

Ameren proposed "early warning" levels and "action" levels for the Site in the draft and revised AAMPs submitted to IEPA for approval. An "early warning" is a threshold level that, when observed at air monitoring stations or on hand-held devices, will trigger mitigation measures to be taken by all Site personnel. An action level is the level at which subsurface work is stopped or slowed by the Contractor until concentrations in the air reduce to set levels for resumption of work. The action levels are based on levels deemed to be safe for an 8-hour or 24-hour average exposure. Mitigation measures would reduce air emissions at the Site within minutes. Although no Site emissions would be allowed to continue for 8 or 24 hours, the use of these longer duration levels as action levels provides more protection for the workers and the public. These values are further

fractioned to establish even lower early warning levels so that actions can be initiated earlier in the process to mitigate emissions.

The goal of the warning and action levels is to trigger additional measures to control odors and/or reduce the contribution of Site emissions to the surrounding air. Additional measures can include more frequent monitoring, the use of specialized equipment to target specific chemicals, the application of additional foam, the application of foam in other locations or in extended areas of the work zone, the placement of additional mats, the slowing of the rate of the mixing of the soil, the complete stop of all mixing and subsequent foam application, et. al. Site air personnel, the Field Safety Officer, the Contractor leads, and/or Site staff will determine what control measures are needed depending on the source and activity determined to be related to the air concentrations. If the source is unknown or determined to be from emissions migrating onto the Site from offsite locations, control measures will still be implemented to reduce Site activities contributing to the exceedance in the surrounding air.

To address dust at the Site and in air from the surrounding area, a 15-minute average $PM_{10}$ action level of 150 micrograms per cubic meter ($\mu g/m^3$) was established for this program. This is based on the National Ambient Air Quality Standard (NAAQS) of 150 $\mu g/m^3$ established by the US Environmental Protection Agency (USEPA), for $PM_{10}$ based on a 24-hour basis. The project's action level is conservative compared to the NAAQS, since it is applied on a 15-minute average rather than a full 24 hours and allows onsite staff to proactively maintain the Site's contribution to area particulate levels at or below $PM_{10}$ concentrations under the NAAQS. In addition, a warning level was set at the lower value of 100 $\mu g/m^3$ to initiate real-time responses even earlier than the action level and enable proactive air quality management. These levels are summarized in Table 1 along with their associated response actions.

To address volatiles at the Site and in air from the surrounding area, volatiles in the air onsite are also monitored. The primary risk driver in MGP volatiles is benzene. To assess concentrations of volatiles in air, a photoionization detector (PID) is utilized to screen for "Total VOCs" which is for benzene and other VOCs (Total VOCs) at 14 monitoring locations surrounding the perimeter of the Site each hour, at a minimum. This is done even when there are no subsurface disturbance activities occurring. In addition, the PID is used to monitor Total VOCs in the air as the Site air personnel deems it is needed, such as in the case of odors, work beginning in a new area, or other observations or reports to Site air personnel.

If Total VOCs measurements indicate elevated levels of volatiles, benzene is specifically measured and monitored by specialized equipment. USEPA has not established a NAAQS for benzene. The Occupational Health and Safety Administration's (OSHA) short-term exposure level (STEL) for benzene, a carcinogen at the Site, is 5 ppm and was used as the basis for the development of the project-specific action levels. A benzene concentration of 0.5 ppm (10% of the STEL) was established as a warning level to inform the project team to begin early implementation of additional emission controls. If a 1-minute Total VOC measurement exceeds 0.5 ppm, a benzene-specific instrument is utilized at that location to quantify the 5-minute benzene concentration. If

benzene concentration exceeds 0.5 ppm, increased emission control is implemented, and benzene-specific measurements are continued until concentrations drop below the action level. If a benzene measurement exceeds 5 ppm, those activities that can potentially emit VOCs are temporarily paused until air quality improves below 0.5 ppm.

The warning levels and action levels for the air monitoring program at the Site are summarized in Table 1, along with their associated response actions.

TABLE 1: MONITORED PARAMETERS, THRESHOLDS, AND RESPONSES

| Parameter (Averaging Time) | Action Level | Additional Response Action To Be Taken |
|---|---|---|
| $PM_{10}$ (15 minutes) per SAM | **100-150 µg/m³** | Additional emission control measures are implemented. These are up to the Site staff to determine, dependent on the source, duration, and wind speeds. These can include more frequent monitoring, the application of additional foam, the application of foam in other locations or in extended areas of the work zone, the placement of additional mats, the slowing of the rate of the mixing of the soil, the stoppage of activities, et. al. |
| | **>150 µg/m³** | Work stopped or reduced until readings are reduced below 100 µg/m³. |
| Total VOCs (1 minute) per PID | **>0.5 ppm** | If greater than 0.5 ppm for a single 1-minute interval, continue monitoring. If the reading is sustained (does not fall below 0.5 ppm in next reading), use a benzene-specific instrument to determine benzene concentration. |
| Benzene (5 minutes) per benzene-specific equipment | **<0.5 ppm** | Continue monitoring VOCs with PID. |
| | **0.5-5.0 ppm** | Additional emission control measures are implemented and benzene-specific measurements are continued. Control measures to be taken are dependent on source, duration, and magnitude. These can include the application of additional foam, the application of foam in other locations or in extended areas of the work zone, the placement of additional mats, the slowing of the rate of the mixing of the soil, and stoppage of activities, et. al. |
| | **>5 ppm** | Temporarily stop work until measurements drop below 0.5 ppm. Continue benzene-specific measurements. |

The threshold values in Table 1 proposed for this project are based on site-specific conditions and established exposure levels. These were developed based on USEPA and OSHA protection values.

## 3. AIR MEASUREMENTS

Preliminary ambient air quality data collected during the Pilot Test activities prior to the Halt Work (11 August 2023 through 4 October 2023) are presented in Appendices A and B. Please note that this data and the field forms the data is presented on is preliminary and supplied early at the

request of IEPA. The forms have not undergone a review by the field teams, nor a quality assurance/quality control review, or an ERM project management review – these are the forms just as the project teams sees them - so there may be misspellings or errors as the field notes scanned into the forms. The review process takes 6 to 8 weeks and the final field forms and data sheets will be provided in the upcoming Construction Completion Report.

Measurements that exceeded an early warning level are discussed below. No exceedances of the action levels (stop work thresholds) were observed.

## 3.1 $PM_{10}$ EXCEEDING EARLY WARNING LEVELS

$PM_{10}$ concentrations that exceeded the warning level are summarized in Table 2.

TABLE 2: $PM_{10}$ VALUES EXCEEDING EARLY WARNING LEVELS

| Date & Time | Location | $PM_{10}$ (µg/m$^3$) |
|---|---|---|
| 8/15/2023 8:15 | SAM5 | **108** |

One 15-minute average $PM_{10}$ concentration exceeded the early warning level of 100 µg/m$^3$. No observations of significant dust were noted. Visual monitoring continued. The $PM_{10}$ measurement subsequently dropped below the early warning level during the next measurement.

There were no 15-minute $PM_{10}$ concentrations exceeding the action level of 150 µg/m$^3$ nor the 24-hour NAAQS of 150 µg/m$^3$ at the Site.

## 3.2 TOTAL VOCS EXCEEDING EARLY WARNING LEVELS

Many of the Total VOCs readings were single readings that did not sustain to the next minute's reading. These were low concentrations (slightly above the early warning level and a fraction of the action level) and are typically observed as faint odor-level whisps of a volatiles in the air. Additional measures taken for these readings were to continue to monitor closely and observe Site activities to determine, if able, the activities being conducted that could be potential sources of the low reading.

Total VOC concentrations exceeding the early warning level for Total VOCs were extracted from the dataset and presented in Table 3.

TABLE 3: TOTAL VOC READINGS EXCEEDING EARLY WARNING LEVELS

| Date & Time | Location | VOC (ppm) | Notes |
|---|---|---|---|
| 8/16/2023 14:01 | SAM-2 | **0.6** | |

| Date & Time | Location | VOC (ppm) | Notes |
|---|---|---|---|
| 8/16/2023 14:06 | IPML-C | **0.6** | Slight hydrocarbon odor noted; Instrument for benzene indicated error messages. However, hand-held PID was used and indicated a highest reading of 2.5 ppm for Total VOCs in Area 1 during excavation of soil. Benzene instrument was fixed. The soil removed was mixed and then indicated 0 ppm on PID and benzene instrument. |
| 9/20/2023 9:43 | IPML-D | **0.9** | A hydrocarbon odor was noted throughout the day directly above the drill rig; however, the majority of PID and (triggered action) benzene instruments were zero. Benzene was detected during the concurrent 9:43 am and 10:05 am benzene instrument readings. Contractor applied additional foam. Monitoring was also increased around the perimeter. |
| 9/20/2023 10:05 | IPML-C | **0.6** | |
| 9/21/2023 9:43 | IPML-D | **0.9** | A hydrocarbon odor was noted mid-day directly above the drill rig. Measurements for benzene were implemented. The majority of PID and benzene readings were zero. Benzene was detected during the concurrent 9:43 am and 10:32 am PID and benzene instrument readings. Benzene exceeded its early warning level of 0.5 ppm (discussed in next section). Contractor applied additional foam. |
| 9/21/2023 10:32 | IPML-D | **1.0** | |
| 9/21/2023 11:14 | IPML-C | **0.7** | |
| 9/21/2023 12:08 | IPML-D | **0.6** | |
| 9/22/2023 16:07 | IPML-C | **0.6** | Hydrocarbon odor observed. Benzene monitoring triggered at 4:07 pm and did not exceed early warning level. Activities were being wrapped up for the day and Contractor applied foam as part of typical day closure. |
| 9/22/2023 16:09 | IPML-D | **0.9** | |

Ten Total VOC measurements were found to exceed the early warning threshold. Additional actions that were taken, beyond continued monitoring and potential source identification, are summarized below and documented in daily logs which will be included in the upcoming Closure Completion Report.

## 3.3 BENZENE EXCEEDING EARLY WARNING LEVELS

Total benzene concentrations exceeding the early warning level of 0.5 ppm are summarized in Table 4. One benzene measurement was found to exceed the early warning level. This was the concurrent measurement from the benzene instrument for the 21 September 2023 observation of Total VOCs exceedance at 10:32 am. These readings were taken from a location above the drill

rig. Foam was applied to the drill area and the benzene concentration subsequently fell below 0.5 ppm. Total VOCs were detected at low concentrations in this area off and on for 90 minutes or so during the drilling, with only two 1-minute readings exceeding its early warning level. Each time, benzene monitoring was triggered and the benzene readings did not exceed its early warning level.

TABLE 4: BENZENE READINGS EXCEEDING EARLY WARNING LEVELS

| Date & Time | Location | Benzene ppm |
|---|---|---|
| 9/21/2023 10:32 | IPML-D | **0.57** |

No measurements were found to exceed the action level of 5 ppm at the Site.

# APPENDIX A $PM_{10}$ AND METEOROLOGICAL DATA RECORDS

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/11/2023 | 00:15 | 8 | 8 | 11 | 9 | 13 | 0.8 | 217.0 | 69.6 | 89.0 | 741.3 | 0.0 |
| | 00:30 | 9 | 9 | 11 | 8 | 13 | 0.6 | 203.0 | 70.0 | 89.0 | 741.3 | 0.0 |
| | 00:45 | 8 | 8 | 9 | 8 | 12 | 0.6 | 210.0 | 69.3 | 89.0 | 741.3 | 0.0 |
| | 01:00 | 7 | 8 | 8 | 7 | 9 | 0.6 | 223.0 | 68.7 | 89.0 | 741.3 | 0.0 |
| | 01:15 | 7 | 7 | 9 | 6 | 8 | 0.6 | 206.0 | 68.4 | 90.0 | 741.3 | 0.0 |
| | 01:30 | 7 | 7 | 8 | 6 | 9 | 0.6 | 105.0 | 68.0 | 90.0 | 741.2 | 0.0 |
| | 01:45 | 6 | 6 | 7 | 7 | 10 | 0.6 | 91.0 | 68.0 | 90.0 | 741.1 | 0.0 |
| | 02:00 | 6 | 6 | 9 | 7 | 10 | 0.6 | 107.0 | 68.2 | 90.0 | 741.1 | 0.0 |
| | 02:15 | 6 | 6 | 8 | 7 | 10 | 0.6 | 177.0 | 68.2 | 90.0 | 741.1 | 0.0 |
| | 02:30 | 6 | 6 | 8 | 7 | 10 | 0.6 | 206.0 | 68.2 | 90.0 | 741.0 | 0.0 |
| | 02:45 | 5 | 5 | 7 | 6 | 11 | 0.6 | 107.0 | 68.4 | 90.0 | 740.8 | 0.0 |
| | 03:00 | 6 | 5 | 7 | 6 | 10 | 0.6 | 179.0 | 68.5 | 90.0 | 740.8 | 0.0 |
| | 03:15 | 6 | 6 | 10 | 7 | 11 | 0.7 | 184.0 | 68.7 | 90.0 | 740.8 | 0.0 |
| | 03:30 | 6 | 6 | 8 | 6 | 11 | 1.1 | 225.0 | 69.3 | 90.0 | 740.8 | 0.0 |
| | 03:45 | 6 | 6 | 9 | 6 | 10 | 0.8 | 204.0 | 69.6 | 89.0 | 740.8 | 0.0 |
| | 04:00 | 6 | 6 | 8 | 6 | 10 | 0.9 | 220.0 | 69.6 | 90.0 | 740.7 | 0.0 |
| | 04:15 | 6 | 6 | 8 | 5 | 10 | 1.0 | 198.0 | 69.4 | 90.0 | 740.7 | 0.0 |
| | 04:30 | 5 | 6 | 6 | 6 | 10 | 0.8 | 257.0 | 69.3 | 90.0 | 740.6 | 0.0 |
| | 04:45 | 6 | 6 | 7 | 5 | 10 | 0.8 | 246.0 | 68.9 | 90.0 | 740.5 | 0.0 |
| | 05:00 | 6 | 6 | 7 | 5 | 10 | 1.3 | 235.0 | 69.1 | 91.0 | 740.5 | 0.0 |
| | 05:15 | 5 | 6 | 6 | 5 | 9 | 1.1 | 234.0 | 69.1 | 91.0 | 740.7 | 0.0 |
| | 05:30 | 6 | 6 | 5 | 5 | 9 | 1.1 | 212.0 | 69.3 | 91.0 | 740.7 | 0.0 |
| | 05:45 | 6 | 6 | 6 | 5 | 9 | 1.5 | 237.0 | 69.3 | 91.0 | 740.8 | 0.0 |
| | 06:00 | 5 | 6 | 6 | 4 | 7 | 1.4 | 244.0 | 69.3 | 91.0 | 741.1 | 0.0 |
| | 06:15 | 5 | 6 | 6 | 5 | 8 | 1.0 | 217.0 | 69.1 | 91.0 | 741.1 | 0.0 |
| | 06:30 | 6 | 6 | 6 | 4 | 8 | 1.2 | 220.0 | 69.1 | 91.0 | 741.3 | 0.0 |
| | 06:45 | 5 | 6 | 6 | 4 | 8 | 1.1 | 220.0 | 69.3 | 91.0 | 741.2 | 0.0 |
| | 07:00 | 5 | 6 | 6 | 5 | 8 | 1.5 | 215.0 | 69.3 | 90.0 | 740.9 | 0.0 |
| | 07:15 | 5 | 5 | 5 | 5 | 7 | 1.6 | 234.0 | 69.4 | 90.0 | 741.1 | 0.0 |
| | 07:30 | 2 | 3 | 5 | 4 | 6 | 2.2 | 225.0 | 70.2 | 89.0 | 741.2 | 0.0 |
| | 07:45 | 4 | 5 | 4 | 3 | 4 | 1.9 | 232.0 | 70.7 | 89.0 | 741.1 | 0.0 |
| | 08:00 | 5 | 5 | 5 | 4 | 6 | 2.5 | 230.0 | 71.8 | 88.0 | 740.9 | 0.0 |
| | 08:15 | 5 | 5 | 6 | 5 | 6 | 2.9 | 223.0 | 72.5 | 88.0 | 740.8 | 0.0 |
| | 08:30 | 5 | 6 | 5 | 5 | 6 | 2.8 | 224.0 | 72.7 | 88.0 | 740.9 | 0.0 |
| | 08:45 | 6 | 5 | 5 | 5 | 6 | 2.4 | 232.0 | 73.2 | 89.0 | 741.3 | 0.0 |
| | 09:00 | 5 | 5 | 5 | 5 | 6 | 1.2 | 194.0 | 73.8 | 88.0 | 741.8 | 0.0 |
| | 09:15 | 5 | 6 | 6 | 6 | 7 | 0.7 | 330.0 | 74.3 | 88.0 | 742.1 | 0.0 |
| | 09:30 | 6 | 7 | 7 | 6 | 7 | 1.2 | 8.0 | 75.2 | 87.0 | 742.6 | 0.0 |
| | 09:45 | 9 | 7 | 6 | 6 | 7 | 4.2 | 0.0 | 74.3 | 83.0 | 743.5 | 0.0 |
| | 10:00 | 3 | 3 | 3 | 3 | 4 | 3.6 | 344.0 | 68.9 | 83.0 | 744.5 | 0.2 |
| | 10:15 | 2 | 2 | 2 | 1 | 2 | 1.5 | 292.0 | 65.5 | 88.0 | 744.1 | 0.2 |
| | 10:30 | 2 | 2 | 4 | 1 | 3 | 2.3 | 219.0 | 64.8 | 89.0 | 743.2 | 0.1 |
| | 10:45 | 1 | 1 | 3 | 0 | 2 | 1.1 | 228.0 | 64.9 | 91.0 | 742.7 | 0.0 |
| | 11:00 | 1 | 1 | 2 | 0 | 2 | 2.6 | 213.0 | 66.4 | 91.0 | 742.5 | 0.0 |
| | 11:15 | 0 | 0 | 1 | 0 | 1 | 2.5 | 217.0 | 68.9 | 87.0 | 742.2 | 0.0 |
| | 11:30 | 1 | 0 | 0 | 0 | 1 | 2.5 | 211.0 | 71.6 | 85.0 | 741.9 | 0.0 |
| | 11:45 | 1 | 1 | 0 | 1 | 1 | 2.8 | 213.0 | 73.8 | 81.0 | 741.7 | 0.0 |
| | 12:00 | 2 | 2 | 1 | 2 | 2 | 2.7 | 206.0 | 75.6 | 75.0 | 741.6 | 0.0 |
| | 12:15 | 3 | 2 | 3 | 3 | 3 | 3.3 | 220.0 | 75.9 | 73.0 | 741.5 | 0.0 |
| | 12:30 | 3 | 2 | 2 | 3 | 3 | 3.0 | 211.0 | 77.4 | 70.0 | 741.5 | 0.0 |
| | 12:45 | 3 | 3 | 4 | 4 | 4 | 2.6 | 186.0 | 78.3 | 67.0 | 741.6 | 0.0 |
| | 13:00 | 4 | 3 | 5 | 4 | 5 | 3.0 | 192.0 | 79.5 | 66.0 | 741.4 | 0.0 |
| | 13:15 | 3 | 3 | 4 | 3 | 4 | 3.2 | 203.0 | 79.9 | 67.0 | 741.1 | 0.0 |
| | 13:30 | 2 | 2 | 3 | 2 | 3 | 4.1 | 215.0 | 81.0 | 65.0 | 741.0 | 0.0 |
| | 13:45 | 3 | 2 | 3 | 2 | 3 | 3.5 | 214.0 | 81.7 | 63.0 | 740.9 | 0.0 |
| | 14:00 | 3 | 2 | 3 | 3 | 3 | 3.2 | 205.0 | 82.8 | 63.0 | 740.8 | 0.0 |
| | 14:15 | 2 | 2 | 2 | 2 | 3 | 5.0 | 206.0 | 83.3 | 64.0 | 740.6 | 0.0 |
| | 14:30 | 2 | 2 | 1 | 2 | 2 | 5.4 | 229.0 | 83.3 | 65.0 | 740.5 | 0.0 |
| | 14:45 | 2 | 2 | 1 | 2 | 3 | 4.8 | 218.0 | 83.8 | 65.0 | 740.4 | 0.0 |
| | 15:00 | 3 | 3 | 0 | 3 | 4 | 5.0 | 232.0 | 84.7 | 65.0 | 740.2 | 0.0 |
| | 15:15 | 3 | 3 | 0 | 3 | 4 | 5.6 | 223.0 | 85.3 | 64.0 | 740.2 | 0.0 |
| | 15:30 | 4 | 3 | 0 | 4 | 4 | 5.3 | 215.0 | 85.5 | 64.0 | 740.1 | 0.0 |
| | 15:45 | 4 | 4 | 1 | 4 | 4 | 5.5 | 230.0 | 86.0 | 63.0 | 740.1 | 0.0 |
| | 16:00 | 4 | 4 | 1 | 4 | 5 | 5.4 | 213.0 | 86.0 | 64.0 | 740.1 | 0.0 |
| | 16:15 | 4 | 4 | 1 | 4 | 4 | 4.8 | 219.0 | 86.5 | 64.0 | 740.0 | 0.0 |
| | 16:30 | 5 | 4 | 1 | 4 | 4 | 5.1 | 222.0 | 86.7 | 64.0 | 740.0 | 0.0 |
| | 16:45 | 4 | 4 | 1 | 4 | 4 | 4.6 | 231.0 | 87.4 | 64.0 | 740.1 | 0.0 |
| | 17:00 | 4 | 4 | 2 | 4 | 5 | 4.7 | 227.0 | 87.8 | 62.0 | 740.1 | 0.0 |
| | 17:15 | 4 | 4 | 3 | 4 | 5 | 4.1 | 232.0 | 88.2 | 61.0 | 740.2 | 0.0 |
| | 17:30 | 5 | 4 | 4 | 5 | 6 | 4.9 | 229.0 | 88.0 | 60.0 | 740.2 | 0.0 |
| | 17:45 | 6 | 5 | 3 | 5 | 6 | 4.2 | 216.0 | 87.4 | 60.0 | 740.2 | 0.0 |
| | 18:00 | 5 | 4 | 2 | 5 | 7 | 4.0 | 236.0 | 86.7 | 62.0 | 740.2 | 0.0 |
| | 18:15 | 5 | 5 | 2 | 5 | 6 | 2.9 | 212.0 | 86.0 | 64.0 | 740.2 | 0.0 |
| | 18:30 | 5 | 5 | 2 | 4 | 6 | 2.4 | 216.0 | 85.6 | 65.0 | 740.3 | 0.0 |
| | 18:45 | 5 | 4 | 3 | 4 | 5 | 1.6 | 209.0 | 85.1 | 67.0 | 740.3 | 0.0 |
| | 19:00 | 5 | 4 | 6 | 4 | 5 | 0.8 | 211.0 | 83.8 | 71.0 | 740.3 | 0.0 |
| | 19:15 | 5 | 5 | 8 | 4 | 5 | 0.6 | 202.0 | 81.7 | 75.0 | 740.3 | 0.0 |
| | 19:30 | 4 | 4 | 9 | 4 | 5 | 0.6 | 198.0 | 80.2 | 79.0 | 740.3 | 0.0 |
| | 19:45 | 4 | 4 | 8 | 4 | 5 | 0.6 | 207.0 | 79.3 | 81.0 | 740.3 | 0.0 |
| | 20:00 | 4 | 4 | 8 | 4 | 5 | 0.6 | 213.0 | 78.6 | 83.0 | 740.3 | 0.0 |
| | 20:15 | 4 | 5 | 8 | 4 | 5 | 0.6 | 211.0 | 77.9 | 84.0 | 740.2 | 0.0 |
| | 20:30 | 5 | 7 | 10 | 5 | 6 | 0.6 | 196.0 | 77.7 | 85.0 | 740.2 | 0.0 |
| | 20:45 | 8 | 7 | 15 | 9 | 11 | 0.7 | 215.0 | 77.9 | 85.0 | 740.2 | 0.0 |
| | 21:00 | 7 | 5 | 14 | 9 | 10 | 0.9 | 210.0 | 78.3 | 84.0 | 740.4 | 0.0 |
| | 21:15 | 6 | 5 | 11 | 5 | 8 | 0.7 | 233.0 | 78.3 | 84.0 | 740.5 | 0.0 |
| | 21:30 | 5 | 5 | 11 | 5 | 7 | 0.9 | 211.0 | 77.7 | 85.0 | 740.6 | 0.0 |
| | 21:45 | 5 | 5 | 11 | 5 | 7 | 0.6 | 190.0 | 77.4 | 85.0 | 740.6 | 0.0 |
| | 22:00 | 6 | 5 | 9 | 5 | 7 | 0.7 | 218.0 | 76.8 | 86.0 | 740.5 | 0.0 |
| | 22:15 | 5 | 5 | 10 | 6 | 8 | 1.0 | 224.0 | 76.6 | 86.0 | 740.4 | 0.0 |
| | 22:30 | 5 | 4 | 9 | 5 | 7 | 0.8 | 214.0 | 76.8 | 85.0 | 740.3 | 0.0 |
| | 22:45 | 5 | 5 | 11 | 5 | 7 | 0.8 | 210.0 | 76.5 | 86.0 | 740.3 | 0.0 |
| | 23:00 | 6 | 5 | 12 | 5 | 8 | 0.9 | 233.0 | 76.3 | 87.0 | 740.2 | 0.0 |
| | 23:15 | 10 | 12 | 13 | 8 | 12 | 0.9 | 228.0 | 75.9 | 87.0 | 740.3 | 0.0 |
| | 23:30 | 10 | 14 | 16 | 15 | 19 | 1.1 | 247.0 | 76.1 | 87.0 | 740.3 | 0.0 |
| | 23:45 | 11 | 13 | 24 | 17 | 21 | 1.2 | 240.0 | 76.3 | 87.0 | 740.5 | 0.0 |
| | 00:00 | 10 | 9 | 22 | 15 | 20 | 1.5 | 226.0 | 76.5 | 87.0 | 740.7 | 0.0 |

DRAFT

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/12/2023 | 00:15 | 7 | 7 | 15 | 12 | 15 | 1.2 | 224.0 | 76.6 | 87.0 | 740.8 | 0.0 |
| | 00:30 | 8 | 7 | 11 | 9 | 13 | 0.9 | 245.0 | 76.5 | 87.0 | 740.9 | 0.0 |
| | 00:45 | 6 | 7 | 10 | 8 | 11 | 1.0 | 230.0 | 76.3 | 87.0 | 741.0 | 0.0 |
| | 01:00 | 7 | 7 | 12 | 8 | 14 | 0.8 | 218.0 | 75.9 | 88.0 | 741.1 | 0.0 |
| | 01:15 | 8 | 7 | 12 | 11 | 16 | 1.7 | 224.0 | 75.9 | 88.0 | 741.1 | 0.0 |
| | 01:30 | 7 | 7 | 8 | 7 | 11 | 0.8 | 222.0 | 75.9 | 88.0 | 741.0 | 0.0 |
| | 01:45 | 7 | 6 | 9 | 6 | 9 | 0.8 | 247.0 | 75.9 | 88.0 | 741.3 | 0.0 |
| | 02:00 | 8 | 7 | 12 | 8 | 13 | 0.7 | 232.0 | 75.6 | 89.0 | 741.6 | 0.0 |
| | 02:15 | 7 | 7 | 15 | 8 | 14 | 1.0 | 222.0 | 75.6 | 89.0 | 741.7 | 0.0 |
| | 02:30 | 7 | 6 | 13 | 9 | 15 | 0.9 | 206.0 | 75.6 | 90.0 | 741.4 | 0.0 |
| | 02:45 | 8 | 7 | 13 | 8 | 13 | 0.6 | 231.0 | 75.2 | 90.0 | 741.0 | 0.0 |
| | 03:00 | 6 | 7 | 12 | 7 | 14 | 0.7 | 213.0 | 75.0 | 91.0 | 740.5 | 0.0 |
| | 03:15 | 6 | 7 | 11 | 7 | 12 | 1.2 | 207.0 | 75.0 | 91.0 | 740.4 | 0.0 |
| | 03:30 | 6 | 7 | 11 | 7 | 12 | 1.1 | 218.0 | 75.2 | 91.0 | 740.6 | 0.0 |
| | 03:45 | 7 | 7 | 12 | 7 | 12 | 3.1 | 252.0 | 75.6 | 90.0 | 741.1 | 0.0 |
| | 04:00 | 6 | 6 | 9 | 6 | 9 | 3.7 | 224.0 | 75.9 | 88.0 | 741.2 | 0.1 |
| | 04:15 | 5 | 4 | 6 | 5 | 8 | 1.4 | 227.0 | 74.5 | 87.0 | 740.5 | 0.0 |
| | 04:30 | 4 | 4 | 6 | 4 | 5 | 0.8 | 309.0 | 73.4 | 89.0 | 740.3 | 0.0 |
| | 04:45 | 4 | 4 | 7 | 4 | 6 | 0.7 | 231.0 | 72.7 | 90.0 | 740.7 | 0.0 |
| | 05:00 | 4 | 3 | 5 | 4 | 7 | 2.4 | 227.0 | 72.3 | 88.0 | 741.8 | 0.0 |
| | 05:15 | 2 | 1 | 3 | 2 | 4 | 2.6 | 238.0 | 72.0 | 82.0 | 741.5 | 0.0 |
| | 05:30 | 1 | 1 | Offline | 2 | 4 | 1.1 | 198.0 | 71.2 | 83.0 | 741.1 | 0.0 |
| | 05:45 | 2 | 1 | 4 | 1 | 4 | 1.3 | 212.0 | 70.7 | 83.0 | 741.1 | 0.0 |
| | 06:00 | 1 | 1 | 4 | 1 | 4 | 2.3 | 222.0 | 70.7 | 82.0 | 741.0 | 0.0 |
| | 06:15 | 1 | 1 | 3 | 1 | 3 | 0.8 | 251.0 | 70.3 | 84.0 | 741.1 | 0.0 |
| | 06:30 | 1 | 2 | 4 | 1 | 3 | 0.7 | 182.0 | 69.4 | 87.0 | 741.1 | 0.0 |
| | 06:45 | 1 | 1 | 4 | 1 | 3 | 0.6 | 291.0 | 68.7 | 88.0 | 741.1 | 0.0 |
| | 07:00 | 1 | 1 | 3 | 1 | 3 | 0.6 | 320.0 | 68.7 | 88.0 | 740.7 | 0.0 |
| | 07:15 | 1 | 1 | Offline | 1 | 3 | 0.8 | 241.0 | 68.9 | 87.0 | 740.5 | 0.0 |
| | 07:30 | 1 | 1 | 3 | 1 | 3 | 0.8 | 261.0 | 69.6 | 86.0 | 740.5 | 0.0 |
| | 07:45 | 1 | 0 | 3 | 1 | 3 | 0.7 | 229.0 | 70.3 | 86.0 | 740.9 | 0.0 |
| | 08:00 | 2 | 2 | 1 | 1 | 2 | 0.7 | 201.0 | 70.7 | 84.0 | 741.0 | 0.0 |
| | 08:15 | 36 | 4 | 2 | 1 | 2 | 1.0 | 213.0 | 71.2 | 83.0 | 741.2 | 0.0 |
| | 08:30 | 1 | 2 | 1 | 1 | 3 | 1.1 | 217.0 | 72.5 | 82.0 | 741.3 | 0.0 |
| | 08:45 | 3 | 2 | 1 | 1 | 3 | 1.5 | 205.0 | 73.4 | 79.0 | 741.5 | 0.0 |
| | 09:00 | 1 | 1 | 2 | 1 | 2 | 1.5 | 204.0 | 74.8 | 76.0 | 741.6 | 0.0 |
| | 09:15 | 2 | 2 | 1 | 1 | 2 | 2.0 | 203.0 | 77.0 | 74.0 | 741.6 | 0.0 |
| | 09:30 | 0 | 2 | 1 | 2 | 3 | 2.6 | 213.0 | 79.5 | 71.0 | 741.6 | 0.0 |
| | 09:45 | 0 | 3 | 2 | 2 | 3 | 2.5 | 209.0 | 81.3 | 67.0 | 741.7 | 0.0 |
| | 10:00 | 0 | 3 | 2 | 2 | 3 | 2.9 | 213.0 | 81.1 | 68.0 | 741.8 | 0.0 |
| | 10:15 | 0 | 2 | 1 | 2 | 3 | 3.3 | 220.0 | 81.5 | 68.0 | 742.0 | 0.0 |
| | 10:30 | 0 | 2 | 1 | 2 | 3 | 2.9 | 218.0 | 81.5 | 68.0 | 742.0 | 0.0 |
| | 10:45 | 0 | 4 | 2 | 3 | 3 | 2.8 | 214.0 | 81.0 | 69.0 | 742.2 | 0.0 |
| | 11:00 | 0 | 3 | 1 | 2 | 3 | 3.2 | 211.0 | 82.2 | 68.0 | 742.3 | 0.0 |
| | 11:15 | 0 | 2 | 2 | 2 | 3 | 2.6 | 207.0 | 83.7 | 66.0 | 742.3 | 0.0 |
| | 11:30 | 0 | 2 | 2 | 2 | 3 | 3.2 | 219.0 | 83.8 | 67.0 | 742.3 | 0.0 |
| | 11:45 | 0 | 2 | 1 | 3 | 4 | 4.2 | 228.0 | 83.5 | 67.0 | 742.3 | 0.0 |
| | 12:00 | 0 | 3 | 1 | 3 | 4 | 3.6 | 213.0 | 84.2 | 67.0 | 742.2 | 0.0 |
| | 12:15 | 0 | 2 | 2 | 2 | 3 | 2.8 | 218.0 | 85.3 | 65.0 | 742.1 | 0.0 |
| | 12:30 | 0 | 3 | 3 | 4 | 5 | 3.4 | 215.0 | 86.2 | 62.0 | 742.1 | 0.0 |
| | 12:45 | 0 | 3 | 2 | 2 | 3 | 3.5 | 211.0 | 86.4 | 63.0 | 742.0 | 0.0 |
| | 13:00 | 0 | 2 | 3 | 3 | 4 | 2.8 | 208.0 | 86.7 | 62.0 | 742.0 | 0.0 |
| | 13:15 | 0 | 3 | 4 | 4 | 5 | 2.3 | 207.0 | 88.2 | 60.0 | 742.1 | 0.0 |
| | 13:30 | 0 | 3 | 4 | 3 | 4 | 2.1 | 196.0 | 88.0 | 61.0 | 742.2 | 0.0 |
| | 13:45 | 0 | 2 | 3 | 2 | 4 | 1.7 | 232.0 | 87.6 | 61.0 | 742.3 | 0.0 |
| | 14:00 | 0 | 2 | 3 | 3 | 3 | 1.8 | 213.0 | 87.1 | 62.0 | 742.4 | 0.0 |
| | 14:15 | 0 | 3 | 4 | 4 | 4 | 3.5 | 213.0 | 87.6 | 61.0 | 742.4 | 0.0 |
| | 14:30 | 0 | 3 | 3 | 2 | 3 | 3.0 | 220.0 | 87.8 | 60.0 | 742.5 | 0.0 |
| | 14:45 | 2 | 3 | 3 | 3 | 4 | 2.6 | 208.0 | 88.0 | 58.0 | 742.5 | 0.0 |
| | 15:00 | 3 | 3 | 2 | 3 | 4 | 2.1 | 218.0 | 89.1 | 58.0 | 742.5 | 0.0 |
| | 15:15 | 3 | 3 | 3 | 3 | 4 | 1.7 | 258.0 | 88.2 | 59.0 | 742.4 | 0.0 |
| | 15:30 | 3 | 3 | 4 | 3 | 4 | 1.7 | 314.0 | 87.3 | 59.0 | 742.4 | 0.0 |
| | 15:45 | 3 | 3 | 4 | 3 | 4 | 1.3 | 229.0 | 86.4 | 59.0 | 742.5 | 0.0 |
| | 16:00 | 3 | 2 | 4 | 2 | 3 | 1.5 | 237.0 | 86.7 | 55.0 | 742.5 | 0.0 |
| | 16:15 | 3 | 2 | 3 | 2 | 3 | 1.7 | 220.0 | 88.5 | 50.0 | 742.6 | 0.0 |
| | 16:30 | 3 | 2 | 2 | 2 | 3 | 2.2 | 225.0 | 88.0 | 49.0 | 742.6 | 0.0 |
| | 16:45 | 2 | 2 | 1 | 2 | 3 | 1.8 | 228.0 | 88.2 | 49.0 | 742.7 | 0.0 |
| | 17:00 | 2 | 2 | 0 | 1 | 2 | 1.8 | 230.0 | 88.0 | 47.0 | 742.8 | 0.0 |
| | 17:15 | 2 | 1 | 0 | 1 | 2 | 1.2 | 212.0 | 88.9 | 44.0 | 742.8 | 0.0 |
| | 17:30 | 2 | 1 | 0 | 1 | 2 | 1.4 | 268.0 | 88.3 | 40.0 | 742.8 | 0.0 |
| | 17:45 | 1 | 1 | 0 | 1 | 2 | 1.1 | 238.0 | 88.2 | 40.0 | 742.8 | 0.0 |
| | 18:00 | 1 | 1 | 1 | 1 | 2 | 1.0 | 235.0 | 85.8 | 44.0 | 742.8 | 0.0 |
| | 18:15 | 2 | 1 | 0 | 2 | 2 | 0.9 | 241.0 | 84.0 | 49.0 | 742.8 | 0.0 |
| | 18:30 | 1 | 1 | 0 | 1 | 2 | 0.9 | 245.0 | 83.3 | 51.0 | 742.8 | 0.0 |
| | 18:45 | 1 | 1 | 2 | 1 | 2 | 0.7 | 247.0 | 82.6 | 54.0 | 742.8 | 0.0 |
| | 19:00 | 2 | 1 | 3 | 1 | 2 | 0.9 | 255.0 | 82.0 | 55.0 | 742.9 | 0.0 |
| | 19:15 | 1 | 1 | 2 | 1 | 2 | 0.7 | 239.0 | 81.1 | 54.0 | 742.9 | 0.0 |
| | 19:30 | 1 | 1 | 4 | 1 | 2 | 0.7 | 258.0 | 80.1 | 56.0 | 743.0 | 0.0 |
| | 19:45 | 2 | 2 | 5 | 1 | 2 | 0.6 | 252.0 | 79.0 | 59.0 | 743.1 | 0.0 |
| | 20:00 | 2 | 2 | 8 | 3 | 4 | 0.6 | 224.0 | 77.4 | 65.0 | 743.2 | 0.0 |
| | 20:15 | 2 | 2 | 6 | 2 | 4 | 0.6 | 236.0 | 75.4 | 70.0 | 743.3 | 0.0 |
| | 20:30 | 3 | 2 | 6 | 2 | 3 | 0.6 | 239.0 | 74.7 | 71.0 | 743.4 | 0.0 |
| | 20:45 | 3 | 3 | 7 | 3 | 4 | 0.6 | 243.0 | 73.9 | 72.0 | 743.5 | 0.0 |
| | 21:00 | 4 | 3 | 8 | 4 | 6 | 0.6 | 223.0 | 73.4 | 74.0 | 743.6 | 0.0 |
| | 21:15 | 4 | 3 | 7 | 3 | 5 | 0.6 | 214.0 | 72.1 | 77.0 | 743.8 | 0.0 |
| | 21:30 | 5 | 4 | 7 | 4 | 6 | 0.6 | 228.0 | 71.2 | 79.0 | 743.9 | 0.0 |
| | 21:45 | 5 | 4 | 8 | 4 | 6 | 0.6 | 226.0 | 70.9 | 81.0 | 744.0 | 0.0 |
| | 22:00 | 4 | 4 | 9 | 5 | 7 | 0.6 | 256.0 | 70.9 | 77.0 | 744.1 | 0.0 |
| | 22:15 | 3 | 3 | 7 | 3 | 4 | 0.6 | 251.0 | 70.7 | 76.0 | 744.1 | 0.0 |
| | 22:30 | 2 | 2 | 6 | 2 | 3 | 0.6 | 251.0 | 71.2 | 74.0 | 744.2 | 0.0 |
| | 22:45 | 1 | 1 | 6 | 2 | 3 | 0.6 | 251.0 | 71.6 | 74.0 | 744.2 | 0.0 |
| | 23:00 | 1 | 2 | 8 | 4 | 6 | 0.6 | 251.0 | 71.2 | 74.0 | 744.3 | 0.0 |
| | 23:15 | 2 | 2 | 6 | 2 | 3 | 0.6 | 258.0 | 70.5 | 76.0 | 744.2 | 0.0 |
| | 23:30 | 2 | 2 | 9 | 4 | 7 | 0.6 | 244.0 | 69.8 | 78.0 | 744.4 | 0.0 |
| | 23:45 | 3 | 3 | 9 | 3 | 5 | 0.6 | 235.0 | 69.1 | 81.0 | 744.6 | 0.0 |
| | 00:00 | 4 | 3 | 7 | 2 | 4 | 0.6 | 213.0 | 68.2 | 82.0 | 744.8 | 0.0 |

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Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/13/2023 | 00:15 | 4 | 3 | 5 | 3 | 4 | 0.6 | 209.0 | 67.1 | 84.0 | 745.0 | 0.0 |
| | 00:30 | 3 | 3 | 4 | 3 | 4 | 0.6 | 207.0 | 66.4 | 86.0 | 745.0 | 0.0 |
| | 00:45 | 4 | 4 | 5 | 4 | 5 | 0.6 | 209.0 | 65.8 | 87.0 | 745.1 | 0.0 |
| | 01:00 | 5 | 4 | 5 | 3 | 4 | 0.6 | 209.0 | 65.5 | 88.0 | 745.2 | 0.0 |
| | 01:15 | 3 | 4 | 3 | 2 | 3 | 0.6 | 227.0 | 65.3 | 89.0 | 745.2 | 0.0 |
| | 01:30 | 3 | 3 | 3 | 2 | 3 | 0.6 | 245.0 | 65.1 | 89.0 | 745.2 | 0.0 |
| | 01:45 | 2 | 3 | 4 | 2 | 3 | 0.6 | 223.0 | 64.8 | 89.0 | 745.1 | 0.0 |
| | 02:00 | 0 | 4 | 4 | 2 | 3 | 0.6 | 194.0 | 64.6 | 89.0 | 745.1 | 0.0 |
| | 02:15 | 0 | 4 | 5 | 2 | 4 | 0.6 | 148.0 | 64.2 | 89.0 | 744.9 | 0.0 |
| | 02:30 | 0 | 4 | 5 | 3 | 5 | 0.6 | 224.0 | 63.7 | 89.0 | 744.8 | 0.0 |
| | 02:45 | 0 | 4 | 5 | 3 | 5 | 0.6 | 201.0 | 63.7 | 90.0 | 744.8 | 0.0 |
| | 03:00 | 0 | 4 | 4 | 3 | 5 | 0.6 | 199.0 | 63.3 | 90.0 | 744.8 | 0.0 |
| | 03:15 | 0 | 4 | 5 | 3 | 4 | 0.6 | 237.0 | 63.1 | 90.0 | 744.8 | 0.0 |
| | 03:30 | 0 | 4 | 4 | 3 | 4 | 0.6 | 234.0 | 62.6 | 90.0 | 744.9 | 0.0 |
| | 03:45 | 0 | 4 | 3 | 2 | 4 | 0.6 | 236.0 | 62.6 | 91.0 | 745.0 | 0.0 |
| | 04:00 | 0 | 3 | 2 | 3 | 4 | 0.6 | 265.0 | 62.4 | 91.0 | 745.0 | 0.0 |
| | 04:15 | 0 | 3 | 3 | 3 | 5 | 0.6 | 238.0 | 62.8 | 91.0 | 745.0 | 0.0 |
| | 04:30 | 0 | 3 | 4 | 3 | 4 | 0.6 | 249.0 | 62.6 | 91.0 | 745.1 | 0.0 |
| | 04:45 | 0 | 2 | 3 | 3 | 5 | 0.6 | 260.0 | 62.4 | 91.0 | 744.9 | 0.0 |
| | 05:00 | 0 | 3 | 3 | 3 | 4 | 0.6 | 244.0 | 62.1 | 91.0 | 744.8 | 0.0 |
| | 05:15 | 0 | 3 | 2 | 3 | 4 | 0.6 | 216.0 | 61.9 | 91.0 | 744.7 | 0.0 |
| | 05:30 | 0 | 3 | 3 | 2 | 4 | 0.6 | 248.0 | 61.7 | 91.0 | 744.6 | 0.0 |
| | 05:45 | 0 | 3 | 3 | 2 | 3 | 0.6 | 216.0 | 61.7 | 91.0 | 744.7 | 0.0 |
| | 06:00 | 0 | 2 | 2 | 2 | 3 | 0.6 | 51.0 | 61.3 | 91.0 | 744.5 | 0.0 |
| | 06:15 | 0 | 2 | 2 | 2 | 3 | 0.6 | 241.0 | 61.5 | 92.0 | 744.6 | 0.0 |
| | 06:30 | 0 | 2 | 2 | 2 | 3 | 0.6 | 267.0 | 61.3 | 91.0 | 744.6 | 0.0 |
| | 06:45 | 0 | 2 | 2 | 2 | 3 | 0.6 | 224.0 | 61.5 | 92.0 | 744.6 | 0.0 |
| | 07:00 | 0 | 2 | 2 | 2 | 4 | 0.6 | 188.0 | 62.1 | 92.0 | 744.7 | 0.0 |
| | 07:15 | 0 | 3 | 3 | 2 | 3 | 0.6 | 200.0 | 63.1 | 92.0 | 745.0 | 0.0 |
| | 07:30 | 0 | 2 | 3 | 2 | 4 | 0.7 | 208.0 | 65.1 | 90.0 | 745.4 | 0.0 |
| | 07:45 | 0 | 1 | 2 | 3 | 4 | 1.2 | 214.0 | 66.9 | 85.0 | 745.6 | 0.0 |
| | 08:00 | 0 | 1 | 1 | 2 | 3 | 1.3 | 214.0 | 68.9 | 81.0 | 745.7 | 0.0 |
| | 08:15 | 0 | 1 | 1 | 2 | 2 | 0.7 | 175.0 | 71.6 | 77.0 | 745.5 | 0.0 |
| | 08:30 | 0 | 1 | 0 | 2 | 2 | 0.7 | 213.0 | 72.5 | 76.0 | 745.5 | 0.0 |
| | 08:45 | 0 | 0 | 0 | 2 | 2 | 1.4 | 221.0 | 73.6 | 74.0 | 745.5 | 0.0 |
| | 09:00 | 0 | 0 | 0 | 2 | 1 | 1.4 | 217.0 | 74.8 | 72.0 | 745.4 | 0.0 |
| | 09:15 | 0 | 0 | 0 | 2 | 1 | 1.1 | 125.0 | 77.7 | 66.0 | 745.4 | 0.0 |
| | 09:30 | 0 | 0 | 0 | 2 | 1 | 1.4 | 126.0 | 79.5 | 60.0 | 745.5 | 0.0 |
| | 09:45 | 0 | 0 | 0 | 1 | 1 | 1.9 | 218.0 | 79.9 | 59.0 | 745.5 | 0.0 |
| | 10:00 | 0 | 0 | 0 | 1 | 1 | 1.9 | 216.0 | 79.3 | 62.0 | 745.4 | 0.0 |
| | 10:15 | 0 | 0 | 0 | 1 | 1 | 1.8 | 151.0 | 80.1 | 61.0 | 745.4 | 0.0 |
| | 10:30 | 1 | 0 | 0 | 1 | 1 | 1.5 | 137.0 | 80.8 | 57.0 | 745.6 | 0.0 |
| | 10:45 | 1 | 0 | 0 | 1 | 1 | 1.8 | 213.0 | 80.1 | 61.0 | 745.7 | 0.0 |
| | 11:00 | 1 | 0 | 0 | 1 | 1 | 1.7 | 226.0 | 79.7 | 61.0 | 745.8 | 0.0 |
| | 11:15 | 1 | 0 | 0 | 1 | 1 | 1.6 | 173.0 | 81.0 | 59.0 | 745.9 | 0.0 |
| | 11:30 | 1 | 0 | 0 | 1 | 1 | 1.0 | 207.0 | 81.0 | 59.0 | 746.0 | 0.0 |
| | 11:45 | 1 | 0 | 0 | 1 | 1 | 1.4 | 190.0 | 81.7 | 57.0 | 746.1 | 0.0 |
| | 12:00 | 1 | 0 | 0 | 1 | 1 | 1.8 | 219.0 | 82.6 | 55.0 | 746.0 | 0.0 |
| | 12:15 | 1 | 1 | 0 | 1 | 1 | 1.3 | 192.0 | 83.7 | 53.0 | 745.8 | 0.0 |
| | 12:30 | 1 | 1 | 0 | 1 | 1 | 1.0 | 179.0 | 84.4 | 52.0 | 745.6 | 0.0 |
| | 12:45 | 1 | 1 | 0 | 1 | 1 | 1.0 | 168.0 | 83.3 | 53.0 | 745.4 | 0.0 |
| | 13:00 | 1 | 1 | 0 | 1 | 1 | 1.5 | 83.0 | 82.9 | 55.0 | 745.1 | 0.0 |
| | 13:15 | 1 | 1 | 0 | 1 | 1 | 1.2 | 135.0 | 82.8 | 58.0 | 745.1 | 0.0 |
| | 13:30 | 2 | 2 | 0 | 1 | 1 | 2.3 | 80.0 | 82.4 | 58.0 | 744.8 | 0.0 |
| | 13:45 | 1 | 1 | 2 | 2 | 1 | 1.7 | 124.0 | 81.5 | 60.0 | 744.7 | 0.0 |
| | 14:00 | 1 | 1 | 3 | 2 | 2 | 1.2 | 166.0 | 80.4 | 65.0 | 744.7 | 0.0 |
| | 14:15 | 1 | 1 | 4 | 2 | 1 | 0.7 | 182.0 | 79.5 | 68.0 | 744.8 | 0.0 |
| | 14:30 | 1 | 1 | 4 | 2 | 1 | 0.9 | 180.0 | 79.9 | 68.0 | 744.7 | 0.0 |
| | 14:45 | 1 | 1 | 4 | 2 | 1 | 0.7 | 204.0 | 79.5 | 70.0 | 744.7 | 0.0 |
| | 15:00 | 1 | 1 | 4 | 1 | 1 | 0.6 | 195.0 | 78.6 | 71.0 | 744.8 | 0.0 |
| | 15:15 | 1 | 1 | 4 | 2 | 1 | 0.8 | 177.0 | 78.3 | 74.0 | 744.6 | 0.0 |
| | 15:30 | 1 | 1 | 4 | 2 | 1 | 1.4 | 126.0 | 78.8 | 71.0 | 744.4 | 0.0 |
| | 15:45 | 1 | 1 | 4 | 2 | 1 | 0.6 | 193.0 | 77.7 | 75.0 | 744.5 | 0.0 |
| | 16:00 | 1 | 1 | 4 | 2 | 1 | 0.9 | 93.0 | 78.1 | 74.0 | 744.5 | 0.0 |
| | 16:15 | 1 | 1 | 6 | 2 | 1 | 1.4 | 79.0 | 79.2 | 71.0 | 744.3 | 0.0 |
| | 16:30 | 1 | 1 | 7 | 4 | 3 | 1.7 | 62.0 | 79.7 | 69.0 | 744.2 | 0.0 |
| | 16:45 | 1 | 1 | 5 | 2 | 2 | 1.4 | 59.0 | 79.9 | 69.0 | 744.1 | 0.0 |
| | 17:00 | 1 | 1 | 5 | 2 | 1 | 1.1 | 59.0 | 79.9 | 69.0 | 744.2 | 0.0 |
| | 17:15 | 1 | 1 | 5 | 2 | 1 | 1.4 | 68.0 | 79.7 | 68.0 | 744.2 | 0.0 |
| | 17:30 | 1 | 1 | 4 | 2 | 1 | 1.1 | 86.0 | 79.2 | 70.0 | 744.0 | 0.0 |
| | 17:45 | 1 | 2 | 4 | 2 | 1 | 0.6 | 174.0 | 78.3 | 75.0 | 743.9 | 0.0 |
| | 18:00 | 1 | 2 | 5 | 2 | 1 | 0.9 | 119.0 | 76.6 | 78.0 | 743.5 | 0.0 |
| | 18:15 | 1 | 2 | 4 | 2 | 2 | 0.6 | 186.0 | 75.9 | 81.0 | 743.6 | 0.0 |
| | 18:30 | 1 | 1 | 4 | 2 | 2 | 0.6 | 209.0 | 74.8 | 83.0 | 743.6 | 0.0 |
| | 18:45 | 1 | 1 | 3 | 2 | 2 | 0.6 | 260.0 | 75.0 | 82.0 | 743.7 | 0.0 |
| | 19:00 | 1 | 2 | 5 | 2 | 1 | 0.7 | 165.0 | 75.2 | 83.0 | 743.6 | 0.0 |
| | 19:15 | 1 | 1 | 4 | 2 | 2 | 0.8 | 219.0 | 75.2 | 82.0 | 743.5 | 0.0 |
| | 19:30 | 1 | 1 | 4 | 3 | 3 | 1.0 | 245.0 | 75.2 | 78.0 | 743.7 | 0.0 |
| | 19:45 | 2 | 2 | 4 | 3 | 3 | 0.6 | 260.0 | 74.8 | 79.0 | 744.5 | 0.0 |
| | 20:00 | 1 | 2 | 4 | 2 | 3 | 1.1 | 190.0 | 73.4 | 78.0 | 744.9 | 0.1 |
| | 20:15 | 2 | 2 | 6 | 3 | 5 | 1.1 | 200.0 | 69.6 | 80.0 | 744.9 | 0.0 |
| | 20:30 | 2 | 2 | 4 | 2 | 3 | 1.2 | 220.0 | 67.6 | 85.0 | 744.8 | 0.0 |
| | 20:45 | 1 | 1 | 4 | 1 | 2 | 0.7 | 87.0 | 67.5 | 86.0 | 744.8 | 0.0 |
| | 21:00 | 1 | 1 | 3 | 1 | 2 | 1.3 | 27.0 | 67.6 | 85.0 | 744.9 | 0.0 |
| | 21:15 | 1 | 1 | 3 | 1 | 2 | 2.0 | 44.0 | 68.2 | 80.0 | 744.7 | 0.0 |
| | 21:30 | 1 | 1 | 3 | 1 | 1 | 1.4 | 41.0 | 68.4 | 79.0 | 744.8 | 0.0 |
| | 21:45 | 1 | 1 | 4 | 1 | 1 | 1.2 | 76.0 | 68.5 | 80.0 | 744.7 | 0.0 |
| | 22:00 | 1 | 1 | 5 | 1 | 2 | 0.8 | 96.0 | 68.7 | 80.0 | 744.5 | 0.0 |
| | 22:15 | 1 | 1 | 3 | 1 | 2 | 0.6 | 220.0 | 68.0 | 82.0 | 744.4 | 0.0 |
| | 22:30 | 1 | 1 | 3 | 1 | 2 | 0.6 | 253.0 | 68.0 | 84.0 | 744.4 | 0.0 |
| | 22:45 | 2 | 1 | 5 | 2 | 3 | 0.6 | 162.0 | 68.0 | 84.0 | 744.5 | 0.0 |
| | 23:00 | 2 | 1 | 5 | 2 | 3 | 0.8 | 157.0 | 68.2 | 83.0 | 744.2 | 0.0 |
| | 23:15 | 2 | 2 | 4 | 1 | 2 | 0.6 | 210.0 | 67.5 | 84.0 | 744.0 | 0.0 |
| | 23:30 | 1 | 2 | 5 | 1 | 2 | 0.7 | 160.0 | 67.3 | 85.0 | 743.7 | 0.0 |
| | 23:45 | 2 | 3 | 5 | 1 | 3 | 0.7 | 212.0 | 66.6 | 87.0 | 743.7 | 0.0 |
| | 00:00 | 2 | 2 | 6 | 1 | 2 | 0.6 | 202.0 | 66.0 | 88.0 | 743.5 | 0.0 |

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| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/14/2023 | 00:15 | 2 | 3 | 5 | 2 | 3 | 0.6 | 218.0 | 65.8 | 88.0 | 743.6 | 0.0 |
| | 00:30 | 2 | 2 | 3 | 2 | 4 | 0.6 | 233.0 | 66.2 | 88.0 | 743.8 | 0.0 |
| | 00:45 | 2 | 2 | 4 | 2 | 3 | 0.6 | 217.0 | 66.4 | 88.0 | 743.7 | 0.0 |
| | 01:00 | 2 | 1 | 3 | 2 | 3 | 0.6 | 302.0 | 66.7 | 87.0 | 743.6 | 0.0 |
| | 01:15 | 2 | 1 | 3 | 2 | 4 | 0.6 | 265.0 | 67.1 | 87.0 | 743.2 | 0.0 |
| | 01:30 | 2 | 3 | 4 | 3 | 5 | 0.6 | 207.0 | 66.9 | 88.0 | 743.3 | 0.0 |
| | 01:45 | 2 | 2 | 3 | 2 | 3 | 0.6 | 237.0 | 67.1 | 89.0 | 743.1 | 0.0 |
| | 02:00 | 2 | 2 | 3 | 2 | 3 | 0.6 | 207.0 | 67.3 | 89.0 | 742.6 | 0.0 |
| | 02:15 | 2 | 1 | 4 | 2 | 3 | 0.9 | 82.0 | 67.3 | 89.0 | 741.9 | 0.0 |
| | 02:30 | 2 | 1 | 3 | 2 | 3 | 1.1 | 81.0 | 67.5 | 88.0 | 741.9 | 0.0 |
| | 02:45 | 2 | 2 | 5 | 2 | 4 | 0.9 | 113.0 | 67.6 | 88.0 | 742.2 | 0.0 |
| | 03:00 | 2 | 1 | 4 | 3 | 4 | 1.0 | 88.0 | 67.6 | 88.0 | 742.3 | 0.0 |
| | 03:15 | 1 | 1 | 5 | 3 | 4 | 1.2 | 89.0 | 68.0 | 87.0 | 742.5 | 0.0 |
| | 03:30 | 2 | 1 | 4 | 3 | 5 | 1.1 | 224.0 | 68.2 | 86.0 | 742.6 | 0.0 |
| | 03:45 | 2 | 1 | 3 | 3 | 5 | 1.1 | 232.0 | 68.4 | 86.0 | 743.0 | 0.0 |
| | 04:00 | 2 | 1 | 5 | 3 | 4 | 0.8 | 236.0 | 68.4 | 85.0 | 743.2 | 0.0 |
| | 04:15 | 1 | 2 | 6 | 2 | 3 | 0.7 | 242.0 | 68.4 | 85.0 | 743.1 | 0.0 |
| | 04:30 | 2 | 1 | 4 | 2 | 3 | 0.6 | 220.0 | 68.0 | 86.0 | 742.9 | 0.0 |
| | 04:45 | 2 | 1 | 5 | 2 | 3 | 0.7 | 238.0 | 68.0 | 86.0 | 742.7 | 0.0 |
| | 05:00 | 2 | 2 | 5 | 2 | 3 | 0.6 | 235.0 | 67.8 | 87.0 | 742.6 | 0.0 |
| | 05:15 | 2 | 2 | 3 | 2 | 4 | 0.6 | 243.0 | 67.8 | 88.0 | 742.7 | 0.0 |
| | 05:30 | 2 | 1 | 3 | 3 | 4 | 0.6 | 258.0 | 68.0 | 88.0 | 742.6 | 0.0 |
| | 05:45 | 1 | 2 | 3 | 2 | 4 | 0.6 | 234.0 | 68.0 | 89.0 | 742.7 | 0.0 |
| | 06:00 | 3 | 2 | 3 | 2 | 3 | 0.6 | 205.0 | 68.0 | 89.0 | 742.7 | 0.0 |
| | 06:15 | 2 | 2 | 4 | 2 | 3 | 0.6 | 215.0 | 67.8 | 89.0 | 742.6 | 0.0 |
| | 06:30 | 2 | 2 | 3 | 2 | 3 | 0.6 | 221.0 | 68.0 | 89.0 | 742.5 | 0.0 |
| | 06:45 | 2 | 2 | 4 | 2 | 3 | 0.6 | 211.0 | 68.2 | 88.0 | 742.5 | 0.0 |
| | 07:00 | 3 | 2 | 3 | 3 | 3 | 0.6 | 222.0 | 68.4 | 88.0 | 742.5 | 0.0 |
| | 07:15 | 2 | 2 | 3 | 2 | 3 | 0.6 | 217.0 | 68.5 | 88.0 | 742.5 | 0.0 |
| | 07:30 | 3 | 2 | 4 | 3 | 4 | 0.7 | 246.0 | 68.7 | 89.0 | 742.4 | 0.0 |
| | 07:45 | 2 | 2 | 3 | 3 | 4 | 0.7 | 208.0 | 68.5 | 91.0 | 742.3 | 0.0 |
| | 08:00 | 2 | 2 | 4 | 3 | 4 | 0.7 | 201.0 | 68.7 | 91.0 | 742.2 | 0.0 |
| | 08:15 | 1 | 1 | 2 | 3 | 4 | 0.8 | 242.0 | 69.3 | 92.0 | 742.1 | 0.0 |
| | 08:30 | 1 | 1 | 0 | 3 | 3 | 1.1 | 232.0 | 70.0 | 92.0 | 742.0 | 0.0 |
| | 08:45 | 2 | 1 | 2 | 2 | 2 | 1.0 | 206.0 | 70.5 | 92.0 | 741.8 | 0.0 |
| | 09:00 | 1 | 2 | 2 | 2 | 2 | 1.8 | 228.0 | 71.4 | 92.0 | 741.8 | 0.0 |
| | 09:15 | 1 | 1 | 0 | 2 | 2 | 2.8 | 226.0 | 72.1 | 91.0 | 741.8 | 0.0 |
| | 09:30 | 1 | 2 | 2 | 2 | 2 | 3.0 | 224.0 | 72.9 | 90.0 | 741.7 | 0.0 |
| | 09:45 | 2 | 2 | 2 | 2 | 2 | 3.0 | 236.0 | 73.4 | 89.0 | 741.7 | 0.0 |
| | 10:00 | 1 | 2 | 1 | 2 | 2 | 3.3 | 228.0 | 74.1 | 88.0 | 741.7 | 0.0 |
| | 10:15 | 1 | 1 | 1 | 2 | 2 | 2.9 | 231.0 | 74.5 | 87.0 | 741.6 | 0.0 |
| | 10:30 | 1 | 2 | 2 | 3 | 3 | 2.4 | 215.0 | 74.5 | 87.0 | 741.7 | 0.0 |
| | 10:45 | 1 | 1 | 1 | 2 | 2 | 1.7 | 216.0 | 74.3 | 87.0 | 741.8 | 0.0 |
| | 11:00 | 2 | 2 | 2 | 3 | 3 | 1.2 | 177.0 | 74.3 | 86.0 | 741.8 | 0.0 |
| | 11:15 | 2 | 2 | 2 | 3 | 3 | 1.2 | 172.0 | 74.3 | 86.0 | 741.9 | 0.0 |
| | 11:30 | 1 | 2 | 4 | 5 | 4 | 1.1 | 220.0 | 73.9 | 85.0 | 742.0 | 0.0 |
| | 11:45 | 1 | 2 | 3 | 4 | 7 | 1.3 | 213.0 | 73.6 | 84.0 | 742.0 | 0.0 |
| | 12:00 | 2 | 2 | 3 | 2 | 2 | 1.6 | 210.0 | 73.0 | 84.0 | 742.0 | 0.0 |
| | 12:15 | 2 | 2 | 3 | 5 | 5 | 1.3 | 203.0 | 74.1 | 83.0 | 741.8 | 0.0 |
| | 12:30 | 1 | 2 | 4 | 7 | 8 | 1.7 | 192.0 | 75.4 | 79.0 | 741.8 | 0.0 |
| | 12:45 | 1 | 2 | 2 | 4 | 5 | 2.2 | 205.0 | 75.4 | 78.0 | 741.9 | 0.0 |
| | 13:00 | 2 | 3 | 3 | 7 | 8 | 1.7 | 190.0 | 75.2 | 78.0 | 742.0 | 0.0 |
| | 13:15 | 2 | 3 | 4 | 5 | 6 | 2.1 | 207.0 | 74.8 | 78.0 | 741.9 | 0.0 |
| | 13:30 | 2 | 2 | 2 | 3 | 4 | 3.3 | 208.0 | 77.0 | 75.0 | 741.8 | 0.0 |
| | 13:45 | 2 | 3 | 3 | 6 | 8 | 2.2 | 193.0 | 78.4 | 72.0 | 741.8 | 0.0 |
| | 14:00 | 2 | 2 | 2 | 3 | 4 | 2.2 | 194.0 | 77.9 | 71.0 | 741.9 | 0.0 |
| | 14:15 | 2 | 3 | 3 | 4 | 5 | 2.8 | 200.0 | 78.8 | 70.0 | 741.8 | 0.0 |
| | 14:30 | 2 | 2 | 1 | 3 | 3 | 4.2 | 222.0 | 79.7 | 67.0 | 741.7 | 0.0 |
| | 14:45 | 2 | 2 | 1 | 2 | 3 | 3.1 | 217.0 | 80.8 | 64.0 | 741.6 | 0.0 |
| | 15:00 | 2 | 2 | 1 | 2 | 3 | 3.3 | 204.0 | 80.2 | 63.0 | 741.6 | 0.0 |
| | 15:15 | 1 | 1 | 1 | 2 | 3 | 2.9 | 183.0 | 80.8 | 61.0 | 741.6 | 0.0 |
| | 15:30 | 2 | 1 | 1 | 3 | 3 | 2.7 | 174.0 | 81.5 | 59.0 | 741.6 | 0.0 |
| | 15:45 | 1 | 1 | 0 | 2 | 2 | 3.6 | 204.0 | 81.5 | 55.0 | 741.7 | 0.0 |
| | 16:00 | 1 | 1 | 0 | 1 | 2 | 2.8 | 208.0 | 81.1 | 54.0 | 741.7 | 0.0 |
| | 16:15 | 1 | 1 | 0 | 1 | 2 | 2.4 | 192.0 | 81.3 | 54.0 | 741.7 | 0.0 |
| | 16:30 | 1 | 0 | 0 | 2 | 2 | 2.6 | 185.0 | 81.0 | 54.0 | 741.7 | 0.0 |
| | 16:45 | 1 | 0 | 0 | 1 | 2 | 3.0 | 191.0 | 81.3 | 52.0 | 741.7 | 0.0 |
| | 17:00 | 1 | 0 | 0 | 2 | 2 | 3.1 | 184.0 | 80.2 | 51.0 | 741.7 | 0.0 |
| | 17:15 | 1 | 0 | 0 | 1 | 2 | 2.5 | 185.0 | 78.8 | 53.0 | 741.7 | 0.0 |
| | 17:30 | 0 | 0 | 0 | 1 | 1 | 2.5 | 186.0 | 79.5 | 52.0 | 741.7 | 0.0 |
| | 17:45 | 0 | 0 | 0 | 1 | 2 | 2.7 | 203.0 | 79.2 | 51.0 | 741.8 | 0.0 |
| | 18:00 | 0 | 0 | 0 | 1 | 2 | 2.4 | 203.0 | 77.7 | 53.0 | 741.8 | 0.0 |
| | 18:15 | 0 | 0 | 0 | 1 | 2 | 2.4 | 195.0 | 77.0 | 55.0 | 741.8 | 0.0 |
| | 18:30 | 0 | 0 | 1 | 1 | 2 | 1.8 | 218.0 | 76.5 | 56.0 | 741.9 | 0.0 |
| | 18:45 | 1 | 0 | 0 | 1 | 2 | 1.8 | 223.0 | 75.9 | 58.0 | 741.9 | 0.0 |
| | 19:00 | 0 | 1 | 0 | 0 | 1 | 1.5 | 196.0 | 75.2 | 60.0 | 741.9 | 0.0 |
| | 19:15 | 0 | 0 | 0 | 1 | 2 | 1.8 | 182.0 | 74.5 | 60.0 | 742.1 | 0.0 |
| | 19:30 | 1 | 1 | 0 | 1 | 2 | 2.0 | 173.0 | 74.1 | 60.0 | 742.2 | 0.0 |
| | 19:45 | 0 | 1 | 0 | 1 | 2 | 1.4 | 167.0 | 73.6 | 60.0 | 742.4 | 0.0 |
| | 20:00 | 0 | 0 | 0 | 1 | 2 | 1.5 | 219.0 | 72.7 | 63.0 | 742.5 | 0.0 |
| | 20:15 | 0 | 0 | 0 | 0 | 1 | 0.9 | 201.0 | 72.0 | 64.0 | 742.5 | 0.0 |
| | 20:30 | 1 | 1 | 0 | 0 | 2 | 0.8 | 193.0 | 70.9 | 67.0 | 742.6 | 0.0 |
| | 20:45 | 1 | 1 | 1 | 0 | 2 | 0.7 | 226.0 | 69.8 | 71.0 | 742.7 | 0.0 |
| | 21:00 | 1 | 1 | 1 | 0 | 2 | 0.6 | 196.0 | 68.9 | 73.0 | 742.8 | 0.0 |
| | 21:15 | 1 | 1 | 1 | 1 | 2 | 0.6 | 205.0 | 68.9 | 74.0 | 743.0 | 0.0 |
| | 21:30 | 1 | 1 | 1 | 1 | 3 | 0.7 | 205.0 | 68.7 | 74.0 | 743.1 | 0.0 |
| | 21:45 | 1 | 1 | 1 | 1 | 3 | 0.9 | 196.0 | 68.4 | 74.0 | 743.2 | 0.0 |
| | 22:00 | 0 | 1 | 1 | 1 | 3 | 0.8 | 211.0 | 68.2 | 75.0 | 743.3 | 0.0 |
| | 22:15 | 1 | 1 | 1 | 1 | 2 | 0.7 | 204.0 | 67.8 | 76.0 | 743.5 | 0.0 |
| | 22:30 | 0 | 0 | 0 | 1 | 3 | 1.3 | 172.0 | 68.0 | 74.0 | 743.5 | 0.0 |
| | 22:45 | 0 | 0 | 0 | 0 | 2 | 0.9 | 226.0 | 67.8 | 75.0 | 743.5 | 0.0 |
| | 23:00 | 1 | 1 | 0 | 0 | 2 | 0.9 | 192.0 | 67.6 | 75.0 | 743.5 | 0.0 |
| | 23:15 | 6 | 3 | 2 | 1 | 2 | 0.8 | 215.0 | 67.1 | 76.0 | 743.5 | 0.0 |
| | 23:30 | 3 | 2 | 1 | 0 | 2 | 0.8 | 226.0 | 66.7 | 78.0 | 743.5 | 0.0 |
| | 23:45 | 3 | 1 | 1 | 0 | 1 | 0.7 | 207.0 | 66.4 | 79.0 | 743.6 | 0.0 |
| | 00:00 | 0 | 0 | 0 | 0 | 2 | 0.9 | 228.0 | 66.0 | 80.0 | 743.5 | 0.0 |

DRAFT

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/15/2023 | 00:15 | 0 | 0 | 0 | 1 | 1 | 1.1 | 212.0 | 65.7 | 81.0 | 743.6 | 0.0 |
| | 00:30 | 0 | 0 | 0 | 1 | 2 | 0.9 | 218.0 | 65.3 | 82.0 | 743.7 | 0.0 |
| | 00:45 | 0 | 0 | 0 | 1 | 2 | 0.9 | 221.0 | 64.9 | 83.0 | 743.7 | 0.0 |
| | 01:00 | 0 | 0 | 0 | 1 | 1 | 0.7 | 223.0 | 64.2 | 84.0 | 743.7 | 0.0 |
| | 01:15 | 1 | 0 | 1 | 1 | 2 | 0.6 | 223.0 | 63.7 | 86.0 | 743.7 | 0.0 |
| | 01:30 | 0 | 0 | 1 | 1 | 1 | 0.9 | 239.0 | 63.3 | 86.0 | 743.6 | 0.0 |
| | 01:45 | 0 | 0 | 1 | 1 | 2 | 1.0 | 221.0 | 63.1 | 87.0 | 743.5 | 0.0 |
| | 02:00 | 0 | 1 | 0 | 1 | 2 | 1.0 | 224.0 | 63.1 | 87.0 | 743.5 | 0.0 |
| | 02:15 | 0 | 0 | 1 | 1 | 2 | 0.7 | 231.0 | 63.0 | 87.0 | 743.3 | 0.0 |
| | 02:30 | 1 | 1 | 1 | 1 | 2 | 0.7 | 238.0 | 62.4 | 88.0 | 743.4 | 0.0 |
| | 02:45 | 2 | 1 | 1 | 1 | 2 | 0.6 | 229.0 | 62.1 | 89.0 | 743.4 | 0.0 |
| | 03:00 | 1 | 1 | 1 | 1 | 2 | 0.6 | 220.0 | 61.9 | 89.0 | 743.4 | 0.0 |
| | 03:15 | 3 | 1 | 1 | 1 | 2 | 0.6 | 209.0 | 61.7 | 90.0 | 743.5 | 0.0 |
| | 03:30 | 1 | 1 | 1 | 1 | 2 | 0.6 | 250.0 | 61.5 | 90.0 | 743.6 | 0.0 |
| | 03:45 | 2 | 1 | 2 | 1 | 2 | 0.6 | 229.0 | 61.2 | 90.0 | 743.8 | 0.0 |
| | 04:00 | 2 | 1 | 1 | 1 | 2 | 0.6 | 222.0 | 61.2 | 91.0 | 743.8 | 0.0 |
| | 04:15 | 1 | 1 | 1 | 1 | 2 | 0.6 | 232.0 | 61.2 | 91.0 | 743.8 | 0.0 |
| | 04:30 | 1 | 1 | 0 | 0 | 1 | 0.6 | 234.0 | 61.3 | 91.0 | 743.9 | 0.0 |
| | 04:45 | 1 | 1 | 1 | 0 | 1 | 0.7 | 224.0 | 61.7 | 91.0 | 744.0 | 0.0 |
| | 05:00 | 2 | 1 | 0 | 0 | 1 | 0.7 | 224.0 | 61.7 | 90.0 | 744.1 | 0.0 |
| | 05:15 | 2 | 1 | 0 | 1 | 1 | 0.6 | 221.0 | 61.5 | 89.0 | 744.2 | 0.0 |
| | 05:30 | 2 | 1 | 1 | 0 | 1 | 0.8 | 233.0 | 61.3 | 89.0 | 744.3 | 0.0 |
| | 05:45 | 2 | 1 | 1 | 0 | 1 | 0.7 | 227.0 | 61.5 | 89.0 | 744.5 | 0.0 |
| | 06:00 | 2 | 2 | 1 | 1 | 2 | 1.4 | 272.0 | 61.7 | 87.0 | 744.7 | 0.0 |
| | 06:15 | 3 | 2 | 2 | 1 | 2 | 1.2 | 293.0 | 61.5 | 86.0 | 744.8 | 0.0 |
| | 06:30 | 2 | 1 | Offline | 1 | 2 | 1.0 | 288.0 | 61.3 | 86.0 | 745.0 | 0.0 |
| | 06:45 | 2 | 1 | 0 | 1 | 2 | 0.8 | 275.0 | 61.2 | 87.0 | 745.2 | 0.0 |
| | 07:00 | 3 | 2 | Offline | 2 | 2 | 1.0 | 269.0 | 61.3 | 86.0 | 745.3 | 0.0 |
| | 07:15 | 3 | 2 | 1 | 2 | 3 | 0.7 | 201.0 | 61.5 | 86.0 | 745.4 | 0.0 |
| | 07:30 | 1 | 1 | Offline | 3 | 4 | 0.8 | 246.0 | 61.9 | 85.0 | 745.5 | 0.0 |
| | 07:45 | 2 | 1 | 2 | 3 | 2 | 0.8 | 197.0 | 62.2 | 85.0 | 745.5 | 0.0 |
| | 08:00 | 2 | 2 | 39 | 74 | 83 | 0.8 | 220.0 | 62.8 | 84.0 | 745.6 | 0.0 |
| | 08:15 | 1 | 2 | 44 | 96 | 108 | 0.9 | 227.0 | 63.3 | 84.0 | 745.7 | 0.0 |
| | 08:30 | 2 | 2 | 29 | 60 | 69 | 1.0 | 236.0 | 63.7 | 83.0 | 745.9 | 0.0 |
| | 08:45 | 2 | 2 | 12 | 21 | 23 | 1.2 | 224.0 | 64.0 | 82.0 | 745.9 | 0.0 |
| | 09:00 | 2 | 2 | Offline | 3 | 4 | 1.3 | 234.0 | 64.4 | 81.0 | 746.1 | 0.0 |
| | 09:15 | 2 | 2 | 6 | 8 | 9 | 1.3 | 210.0 | 64.9 | 80.0 | 746.1 | 0.0 |
| | 09:30 | 3 | 2 | 6 | 5 | 6 | 1.7 | 250.0 | 65.8 | 78.0 | 746.1 | 0.0 |
| | 09:45 | 3 | 3 | 7 | 10 | 11 | 1.1 | 303.0 | 66.6 | 76.0 | 746.1 | 0.0 |
| | 10:00 | 3 | 3 | 6 | 5 | 6 | 1.3 | 247.0 | 67.3 | 75.0 | 746.1 | 0.0 |
| | 10:15 | 4 | 3 | 7 | 5 | 5 | 1.4 | 248.0 | 67.8 | 74.0 | 746.1 | 0.0 |
| | 10:30 | 5 | 5 | 8 | 7 | 8 | 1.1 | 254.0 | 68.0 | 74.0 | 746.2 | 0.0 |
| | 10:45 | 5 | 6 | 8 | 5 | 6 | 1.5 | 271.0 | 69.3 | 72.0 | 746.1 | 0.0 |
| | 11:00 | 7 | 8 | 10 | 9 | 10 | 1.9 | 248.0 | 71.1 | 68.0 | 746.1 | 0.0 |
| | 11:15 | 14 | 8 | 12 | 9 | 10 | 2.0 | 312.0 | 71.4 | 66.0 | 746.2 | 0.0 |
| | 11:30 | 11 | 9 | 13 | 10 | 11 | 2.1 | 329.0 | 73.0 | 63.0 | 746.3 | 0.0 |
| | 11:45 | 10 | 12 | 12 | 10 | 11 | 2.7 | 344.0 | 71.6 | 65.0 | 746.4 | 0.0 |
| | 12:00 | 9 | 8 | 13 | 12 | 13 | 2.7 | 321.0 | 70.7 | 66.0 | 746.5 | 0.0 |
| | 12:15 | 8 | 8 | 11 | 9 | 10 | 2.7 | 336.0 | 70.9 | 66.0 | 746.5 | 0.0 |
| | 12:30 | 7 | 8 | 10 | 10 | 12 | 2.1 | 317.0 | 71.6 | 66.0 | 746.4 | 0.0 |
| | 12:45 | 8 | 8 | 8 | 8 | 9 | 2.6 | 352.0 | 73.6 | 63.0 | 746.4 | 0.0 |
| | 13:00 | 8 | 8 | 9 | 10 | 12 | 2.3 | 265.0 | 75.4 | 60.0 | 746.3 | 0.0 |
| | 13:15 | 8 | 8 | 9 | 9 | 10 | 2.3 | 329.0 | 76.3 | 58.0 | 746.3 | 0.0 |
| | 13:30 | 8 | 7 | 10 | 11 | 12 | 2.6 | 348.0 | 76.6 | 57.0 | 746.3 | 0.0 |
| | 13:45 | 7 | 7 | 10 | 9 | 9 | 2.3 | 323.0 | 76.5 | 55.0 | 746.3 | 0.0 |
| | 14:00 | 7 | 7 | 9 | 9 | 9 | 2.2 | 338.0 | 75.6 | 56.0 | 746.3 | 0.0 |
| | 14:15 | 7 | 7 | 14 | 9 | 10 | 2.1 | 328.0 | 76.5 | 55.0 | 746.3 | 0.0 |
| | 14:30 | 9 | 8 | 7 | 9 | 9 | 2.4 | 329.0 | 78.3 | 52.0 | 746.2 | 0.0 |
| | 14:45 | 8 | 9 | 8 | 10 | 11 | 1.9 | 335.0 | 77.7 | 53.0 | 746.3 | 0.0 |
| | 15:00 | 8 | 9 | 8 | 11 | 11 | 1.8 | 319.0 | 77.7 | 52.0 | 746.2 | 0.0 |
| | 15:15 | 9 | 9 | 9 | 12 | 13 | 1.4 | 273.0 | 77.9 | 52.0 | 746.2 | 0.0 |
| | 15:30 | 10 | 9 | 8 | 12 | 12 | 1.8 | 289.0 | 78.1 | 51.0 | 746.2 | 0.0 |
| | 15:45 | 10 | 10 | 9 | 14 | 15 | 1.8 | 304.0 | 77.2 | 53.0 | 746.2 | 0.0 |
| | 16:00 | 11 | 11 | 10 | 13 | 13 | 0.9 | 244.0 | 75.7 | 56.0 | 746.2 | 0.0 |
| | 16:15 | 13 | 12 | 14 | 15 | 16 | 1.6 | 318.0 | 75.0 | 57.0 | 746.2 | 0.0 |
| | 16:30 | 15 | 14 | 15 | 16 | 17 | 1.3 | 287.0 | 75.0 | 57.0 | 746.1 | 0.0 |
| | 16:45 | 17 | 16 | 18 | 18 | 20 | 1.3 | 283.0 | 75.0 | 58.0 | 746.0 | 0.0 |
| | 17:00 | 19 | 18 | 20 | 20 | 21 | 1.2 | 269.0 | 75.0 | 58.0 | 746.0 | 0.0 |
| | 17:15 | 22 | 20 | 23 | 22 | 24 | 0.9 | 279.0 | 75.4 | 58.0 | 746.0 | 0.0 |
| | 17:30 | 23 | 22 | 25 | 24 | 26 | 0.9 | 232.0 | 74.8 | 59.0 | 746.1 | 0.0 |
| | 17:45 | 25 | 24 | 26 | 25 | 27 | 0.7 | 228.0 | 74.1 | 60.0 | 746.0 | 0.0 |
| | 18:00 | 24 | 23 | 25 | 24 | 27 | 0.7 | 255.0 | 73.6 | 62.0 | 746.0 | 0.0 |
| | 18:15 | 21 | 23 | 25 | 24 | 26 | 0.8 | 217.0 | 73.0 | 65.0 | 745.9 | 0.0 |
| | 18:30 | 24 | 25 | 27 | 24 | 26 | 0.7 | 258.0 | 73.2 | 64.0 | 745.9 | 0.0 |
| | 18:45 | 23 | 23 | 25 | 24 | 26 | 0.6 | 227.0 | 73.0 | 66.0 | 745.9 | 0.0 |
| | 19:00 | 23 | 24 | 26 | 24 | 26 | 0.6 | 230.0 | 72.5 | 68.0 | 745.9 | 0.0 |
| | 19:15 | 23 | 24 | 28 | 25 | 26 | 0.6 | 218.0 | 71.4 | 71.0 | 745.9 | 0.0 |
| | 19:30 | 24 | 24 | 28 | 25 | 27 | 0.6 | 233.0 | 70.2 | 74.0 | 746.0 | 0.0 |
| | 19:45 | 24 | 24 | 28 | 25 | 27 | 0.6 | 243.0 | 69.1 | 77.0 | 746.1 | 0.0 |
| | 20:00 | 24 | 24 | 27 | 25 | 27 | 0.6 | 234.0 | 68.4 | 78.0 | 746.1 | 0.0 |
| | 20:15 | 24 | 24 | 27 | 25 | 27 | 0.6 | 245.0 | 67.5 | 80.0 | 746.2 | 0.0 |
| | 20:30 | 24 | 24 | 27 | 25 | 27 | 0.6 | 237.0 | 66.7 | 82.0 | 746.3 | 0.0 |
| | 20:45 | 24 | 24 | 26 | 24 | 26 | 0.6 | 228.0 | 65.8 | 84.0 | 746.3 | 0.0 |
| | 21:00 | 23 | 24 | 26 | 24 | 27 | 0.6 | 238.0 | 65.5 | 84.0 | 746.3 | 0.0 |
| | 21:15 | 24 | 23 | 25 | 24 | 26 | 0.6 | 239.0 | 65.3 | 85.0 | 746.5 | 0.0 |
| | 21:30 | 24 | 24 | 27 | 24 | 27 | 0.6 | 232.0 | 65.3 | 84.0 | 746.7 | 0.0 |
| | 21:45 | 25 | 23 | 26 | 24 | 27 | 0.6 | 232.0 | 64.9 | 84.0 | 746.7 | 0.0 |
| | 22:00 | 23 | 24 | 25 | 24 | 27 | 0.6 | 229.0 | 64.6 | 85.0 | 746.8 | 0.0 |
| | 22:15 | 23 | 24 | 25 | 24 | 26 | 0.6 | 227.0 | 64.2 | 85.0 | 746.8 | 0.0 |
| | 22:30 | 22 | 22 | 25 | 23 | 26 | 0.6 | 224.0 | 63.7 | 85.0 | 746.8 | 0.0 |
| | 22:45 | 23 | 22 | 24 | 22 | 25 | 0.6 | 222.0 | 63.1 | 86.0 | 746.9 | 0.0 |
| | 23:00 | 21 | 21 | 23 | 21 | 24 | 0.6 | 227.0 | 63.0 | 87.0 | 746.9 | 0.0 |
| | 23:15 | 20 | 21 | 22 | 21 | 23 | 0.6 | 228.0 | 62.4 | 87.0 | 747.0 | 0.0 |
| | 23:30 | 21 | 21 | 22 | 21 | 23 | 0.6 | 246.0 | 62.1 | 87.0 | 746.9 | 0.0 |
| | 23:45 | 20 | 21 | 23 | 21 | 23 | 0.6 | 233.0 | 61.7 | 87.0 | 746.9 | 0.0 |
| | 00:00 | 20 | 20 | 22 | 20 | 23 | 0.6 | 233.0 | 61.5 | 88.0 | 747.1 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/16/2023 | 00:15 | 19 | 21 | 22 | 20 | 23 | 0.6 | 256.0 | 61.2 | 88.0 | 996.1 | 0.0 |
| | 00:30 | 21 | 21 | 27 | 20 | 23 | 0.6 | 251.0 | 61.2 | 88.0 | 996.1 | 0.0 |
| | 00:45 | 21 | 21 | 25 | 21 | 24 | 0.6 | 253.0 | 61.0 | 88.0 | 996.2 | 0.0 |
| | 01:00 | 21 | 20 | 24 | 21 | 24 | 0.6 | 245.0 | 60.6 | 88.0 | 996.3 | 0.0 |
| | 01:15 | 21 | 20 | 25 | 21 | 24 | 0.6 | 241.0 | 60.3 | 89.0 | 996.3 | 0.0 |
| | 01:30 | 23 | 21 | 25 | 22 | 24 | 0.6 | 241.0 | 59.9 | 90.0 | 996.2 | 0.0 |
| | 01:45 | 23 | 20 | Offline | 22 | 25 | 0.6 | 224.0 | 59.5 | 90.0 | 996.2 | 0.0 |
| | 02:00 | 22 | 20 | Offline | 22 | 24 | 0.6 | 199.0 | 59.2 | 90.0 | 996.3 | 0.0 |
| | 02:15 | 21 | 20 | Offline | 21 | 24 | 0.6 | 220.0 | 58.8 | 90.0 | 996.2 | 0.0 |
| | 02:30 | 22 | 20 | Offline | 21 | 22 | 0.6 | 210.0 | 58.6 | 91.0 | 996.1 | 0.0 |
| | 02:45 | 22 | 20 | Offline | 19 | 22 | 0.6 | 233.0 | 58.3 | 91.0 | 996.1 | 0.0 |
| | 03:00 | 21 | 19 | Offline | 20 | 22 | 0.6 | 198.0 | 57.9 | 91.0 | 996.1 | 0.0 |
| | 03:15 | 22 | 22 | Offline | 21 | 25 | 0.6 | 244.0 | 57.7 | 91.0 | 995.9 | 0.0 |
| | 03:30 | 22 | 22 | Offline | 21 | 24 | 0.6 | 258.0 | 58.1 | 92.0 | 995.8 | 0.0 |
| | 03:45 | 23 | 20 | Offline | 20 | 23 | 0.6 | 256.0 | 57.7 | 91.0 | 995.7 | 0.0 |
| | 04:00 | 21 | 21 | Offline | 19 | 23 | 0.6 | 225.0 | 57.4 | 91.0 | 995.7 | 0.0 |
| | 04:15 | 20 | 20 | 21 | 19 | 22 | 0.6 | 236.0 | 57.2 | 91.0 | 995.7 | 0.0 |
| | 04:30 | 19 | 19 | Offline | 18 | 21 | 0.6 | 235.0 | 57.2 | 92.0 | 995.7 | 0.0 |
| | 04:45 | 21 | 20 | Offline | 19 | 22 | 0.6 | 234.0 | 57.2 | 92.0 | 995.7 | 0.0 |
| | 05:00 | 20 | 21 | Offline | 19 | 23 | 0.6 | 234.0 | 57.4 | 92.0 | 995.8 | 0.0 |
| | 05:15 | 19 | 18 | Offline | 20 | 23 | 0.6 | 238.0 | 57.0 | 92.0 | 995.8 | 0.0 |
| | 05:30 | 20 | 20 | Offline | 19 | 23 | 0.6 | 251.0 | 57.2 | 92.0 | 995.9 | 0.0 |
| | 05:45 | 20 | 20 | Offline | 19 | 22 | 0.6 | 235.0 | 57.0 | 92.0 | 996.0 | 0.0 |
| | 06:00 | 19 | 20 | Offline | 19 | 22 | 0.6 | 245.0 | 56.8 | 92.0 | 996.0 | 0.0 |
| | 06:15 | 19 | 20 | Offline | 19 | 22 | 0.6 | 247.0 | 56.7 | 92.0 | 996.1 | 0.0 |
| | 06:30 | 20 | 19 | Offline | 19 | 22 | 0.6 | 236.0 | 56.8 | 92.0 | 996.2 | 0.0 |
| | 06:45 | 19 | 19 | Offline | 18 | 21 | 0.6 | 226.0 | 57.2 | 93.0 | 996.3 | 0.0 |
| | 07:00 | 19 | 19 | 19 | 18 | 21 | 0.6 | 221.0 | 57.4 | 93.0 | 996.5 | 0.0 |
| | 07:15 | 19 | 18 | 20 | 17 | 20 | 0.6 | 200.0 | 58.5 | 93.0 | 996.6 | 0.0 |
| | 07:30 | 17 | 16 | 18 | 16 | 19 | 0.6 | 198.0 | 59.7 | 91.0 | 996.7 | 0.0 |
| | 07:45 | 16 | 17 | 19 | 16 | 19 | 0.6 | 201.0 | 61.3 | 89.0 | 996.7 | 0.0 |
| | 08:00 | 16 | 16 | 19 | 16 | 18 | 0.6 | 198.0 | 62.8 | 88.0 | 996.8 | 0.0 |
| | 08:15 | 6 | 12 | 16 | 16 | 17 | 0.6 | 234.0 | 64.9 | 82.0 | 996.8 | 0.0 |
| | 08:30 | 11 | 7 | 13 | 13 | 15 | 0.6 | 232.0 | 67.3 | 75.0 | 996.7 | 0.0 |
| | 08:45 | 9 | 9 | 7 | 12 | 12 | 0.9 | 229.0 | 69.1 | 71.0 | 996.7 | 0.0 |
| | 09:00 | 9 | 8 | 11 | 10 | 11 | 1.1 | 230.0 | 70.0 | 67.0 | 996.7 | 0.0 |
| | 09:15 | 9 | 9 | 11 | 12 | 18 | 1.6 | 195.0 | 70.5 | 66.0 | 996.7 | 0.0 |
| | 09:30 | 9 | 8 | 10 | 9 | 9 | 1.2 | 193.0 | 71.8 | 64.0 | 996.6 | 0.0 |
| | 09:45 | 8 | 7 | 9 | 8 | 9 | 1.3 | 181.0 | 73.2 | 60.0 | 996.6 | 0.0 |
| | 10:00 | 8 | 7 | 9 | 8 | 8 | 1.6 | 196.0 | 73.8 | 60.0 | 996.7 | 0.0 |
| | 10:15 | 7 | 6 | 7 | 7 | 8 | 2.7 | 191.0 | 73.6 | 57.0 | 996.7 | 0.0 |
| | 10:30 | 6 | 5 | 7 | 2 | 4 | 1.7 | 205.0 | 75.7 | 54.0 | 996.5 | 0.0 |
| | 10:45 | 5 | 4 | 6 | 5 | 5 | 1.9 | 209.0 | 75.6 | 53.0 | 996.4 | 0.0 |
| | 11:00 | 5 | 3 | 4 | 4 | 5 | 1.7 | 128.0 | 77.2 | 51.0 | 996.3 | 0.0 |
| | 11:15 | 5 | 4 | 4 | 4 | 5 | 1.8 | 209.0 | 77.7 | 50.0 | 996.3 | 0.0 |
| | 11:30 | 4 | 3 | 4 | 3 | 5 | 2.6 | 201.0 | 76.1 | 48.0 | 996.3 | 0.0 |
| | 11:45 | 5 | 4 | 5 | 5 | 6 | 2.2 | 215.0 | 76.6 | 46.0 | 996.2 | 0.0 |
| | 12:00 | 5 | 4 | 5 | 4 | 6 | 2.4 | 203.0 | 77.2 | 47.0 | 996.0 | 0.0 |
| | 12:15 | 5 | 4 | 6 | 4 | 5 | 2.7 | 220.0 | 76.5 | 47.0 | 995.7 | 0.0 |
| | 12:30 | 4 | 5 | 6 | 4 | 6 | 1.4 | 201.0 | 79.0 | 44.0 | 995.5 | 0.0 |
| | 12:45 | 4 | 4 | 6 | 4 | 5 | 2.0 | 223.0 | 79.9 | 42.0 | 995.4 | 0.0 |
| | 13:00 | 4 | 4 | 6 | 5 | 6 | 2.7 | 237.0 | 78.3 | 45.0 | 995.3 | 0.0 |
| | 13:15 | 5 | 4 | 5 | 4 | 5 | 2.8 | 226.0 | 77.7 | 46.0 | 995.1 | 0.0 |
| | 13:30 | 5 | 4 | 6 | 4 | 5 | 2.6 | 182.0 | 78.1 | 46.0 | 994.9 | 0.0 |
| | 13:45 | 5 | 5 | 5 | 5 | 6 | 2.8 | 219.0 | 78.4 | 44.0 | 994.7 | 0.0 |
| | 14:00 | 4 | 4 | 6 | 4 | 5 | 2.1 | 215.0 | 79.3 | 44.0 | 994.6 | 0.0 |
| | 14:15 | 5 | 4 | 5 | 4 | 5 | 2.3 | 188.0 | 79.5 | 45.0 | 994.4 | 0.0 |
| | 14:30 | 5 | 4 | 5 | 5 | 6 | 2.5 | 129.0 | 79.9 | 45.0 | 994.2 | 0.0 |
| | 14:45 | 4 | 4 | 5 | 4 | 5 | 3.4 | 208.0 | 79.3 | 45.0 | 994.1 | 0.0 |
| | 15:00 | 5 | 4 | 4 | 4 | 5 | 3.2 | 196.0 | 79.2 | 45.0 | 994.0 | 0.0 |
| | 15:15 | 4 | 4 | 3 | 4 | 5 | 3.1 | 210.0 | 79.3 | 45.0 | 993.8 | 0.0 |
| | 15:30 | 4 | 4 | 4 | 4 | 5 | 2.9 | 220.0 | 79.7 | 45.0 | 993.6 | 0.0 |
| | 15:45 | 3 | 4 | 4 | 3 | 4 | 3.6 | 199.0 | 79.5 | 44.0 | 993.5 | 0.0 |
| | 16:00 | 3 | 3 | 4 | 3 | 4 | 2.5 | 213.0 | 80.2 | 44.0 | 993.4 | 0.0 |
| | 16:15 | 3 | 3 | 3 | 3 | 4 | 3.2 | 232.0 | 80.1 | 43.0 | 993.3 | 0.0 |
| | 16:30 | 4 | 3 | 3 | 3 | 4 | 2.9 | 204.0 | 80.1 | 44.0 | 993.1 | 0.0 |
| | 16:45 | 4 | 3 | 4 | 3 | 4 | 2.7 | 200.0 | 80.2 | 44.0 | 992.9 | 0.0 |
| | 17:00 | 4 | 4 | 5 | 4 | 5 | 2.6 | 210.0 | 80.2 | 46.0 | 992.8 | 0.0 |
| | 17:15 | 4 | 4 | 5 | 3 | 4 | 2.6 | 207.0 | 80.2 | 46.0 | 992.7 | 0.0 |
| | 17:30 | 5 | 4 | 5 | 4 | 5 | 2.4 | 205.0 | 79.9 | 47.0 | 992.5 | 0.0 |
| | 17:45 | 4 | 4 | 4 | 4 | 5 | 2.3 | 214.0 | 79.5 | 47.0 | 992.3 | 0.0 |
| | 18:00 | 5 | 4 | 4 | 4 | 5 | 3.1 | 231.0 | 77.9 | 49.0 | 992.0 | 0.0 |
| | 18:15 | 5 | 5 | 3 | 5 | 6 | 2.7 | 225.0 | 76.8 | 51.0 | 991.9 | 0.0 |
| | 18:30 | 5 | 5 | 3 | 4 | 6 | 2.7 | 224.0 | 76.5 | 53.0 | 991.8 | 0.0 |
| | 18:45 | 5 | 5 | 7 | 5 | 6 | 2.2 | 231.0 | 75.9 | 55.0 | 991.7 | 0.0 |
| | 19:00 | 6 | 6 | 7 | 5 | 7 | 1.6 | 219.0 | 75.2 | 57.0 | 991.7 | 0.0 |
| | 19:15 | 6 | 6 | 6 | 5 | 7 | 0.7 | 218.0 | 74.3 | 59.0 | 991.6 | 0.0 |
| | 19:30 | 6 | 7 | 7 | 5 | 7 | 0.7 | 208.0 | 73.4 | 62.0 | 991.5 | 0.0 |
| | 19:45 | 7 | 7 | 7 | 6 | 7 | 0.6 | 208.0 | 72.0 | 67.0 | 991.5 | 0.0 |
| | 20:00 | 7 | 6 | 7 | 6 | 7 | 0.6 | 191.0 | 70.5 | 70.0 | 991.4 | 0.0 |
| | 20:15 | 6 | 6 | 6 | 5 | 7 | 0.6 | 165.0 | 69.3 | 72.0 | 991.4 | 0.0 |
| | 20:30 | 7 | 7 | 6 | 6 | 8 | 0.6 | 71.0 | 68.5 | 72.0 | 991.4 | 0.0 |
| | 20:45 | 8 | 8 | 7 | 6 | 8 | 0.6 | 209.0 | 68.2 | 72.0 | 991.4 | 0.0 |
| | 21:00 | 9 | 8 | 7 | 7 | 9 | 0.7 | 71.0 | 67.5 | 73.0 | 991.4 | 0.0 |
| | 21:15 | 11 | 10 | 9 | 8 | 10 | 0.8 | 275.0 | 67.6 | 72.0 | 991.4 | 0.0 |
| | 21:30 | 11 | 12 | 11 | 9 | 11 | 1.6 | 238.0 | 68.0 | 70.0 | 991.5 | 0.0 |
| | 21:45 | 12 | 12 | 13 | 11 | 12 | 0.9 | 253.0 | 67.8 | 71.0 | 991.6 | 0.0 |
| | 22:00 | 12 | 12 | 13 | 11 | 13 | 0.7 | 286.0 | 67.1 | 72.0 | 991.5 | 0.0 |
| | 22:15 | 12 | 12 | 12 | 11 | 14 | 0.7 | 322.0 | 66.2 | 74.0 | 991.3 | 0.0 |
| | 22:30 | 12 | 13 | 13 | 12 | 14 | 0.8 | 311.0 | 65.8 | 74.0 | 991.1 | 0.0 |
| | 22:45 | 13 | 13 | 13 | 12 | 14 | 0.7 | 287.0 | 65.8 | 74.0 | 991.0 | 0.0 |
| | 23:00 | 14 | 13 | 13 | 12 | 14 | 0.6 | 159.0 | 65.1 | 75.0 | 990.7 | 0.0 |
| | 23:15 | 14 | 14 | 14 | 12 | 15 | 0.7 | 289.0 | 64.4 | 77.0 | 990.5 | 0.0 |
| | 23:30 | 14 | 15 | 14 | 13 | 15 | 0.8 | 260.0 | 64.6 | 76.0 | 990.5 | 0.0 |
| | 23:45 | 15 | 15 | 14 | 13 | 16 | 0.7 | 189.0 | 64.9 | 75.0 | 990.4 | 0.0 |
| | 00:00 | 16 | 15 | 15 | 14 | 16 | 0.8 | 189.0 | 64.0 | 77.0 | 990.3 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/17/2023 | 00:15 | 15 | 14 | 15 | 14 | 17 | 0.7 | 271.0 | 63.7 | 78.0 | 990.2 | 0.0 |
| | 00:30 | 15 | 14 | 16 | 15 | 16 | 0.7 | 280.0 | 63.7 | 78.0 | 990.4 | 0.0 |
| | 00:45 | 14 | 15 | 15 | 15 | 17 | 0.7 | 102.0 | 63.5 | 79.0 | 990.4 | 0.0 |
| | 01:00 | 14 | 14 | 16 | 15 | 17 | 0.6 | 110.0 | 62.8 | 80.0 | 990.4 | 0.0 |
| | 01:15 | 15 | 14 | 15 | 14 | 17 | 0.6 | 132.0 | 62.2 | 82.0 | 990.3 | 0.0 |
| | 01:30 | 15 | 14 | 16 | 15 | 16 | 0.9 | 262.0 | 62.6 | 82.0 | 990.2 | 0.0 |
| | 01:45 | 14 | 13 | 16 | 15 | 16 | 1.3 | 239.0 | 63.3 | 80.0 | 990.1 | 0.0 |
| | 02:00 | 13 | 13 | 15 | 14 | 16 | 1.7 | 233.0 | 63.5 | 80.0 | 989.8 | 0.0 |
| | 02:15 | 14 | 13 | 15 | 14 | 16 | 2.1 | 229.0 | 63.7 | 79.0 | 989.5 | 0.0 |
| | 02:30 | 13 | 13 | 14 | 14 | 15 | 2.5 | 225.0 | 64.4 | 78.0 | 989.5 | 0.0 |
| | 02:45 | 12 | 12 | 13 | 13 | 14 | 2.9 | 219.0 | 64.6 | 77.0 | 989.6 | 0.0 |
| | 03:00 | 11 | 11 | 13 | 13 | 14 | 2.7 | 230.0 | 64.6 | 77.0 | 989.7 | 0.0 |
| | 03:15 | 11 | 11 | 12 | 12 | 14 | 2.6 | 206.0 | 64.2 | 78.0 | 989.6 | 0.0 |
| | 03:30 | 11 | 11 | 12 | 12 | 13 | 2.1 | 231.0 | 63.5 | 79.0 | 989.6 | 0.0 |
| | 03:45 | 11 | 11 | 12 | 11 | 13 | 2.0 | 218.0 | 63.1 | 81.0 | 989.5 | 0.0 |
| | 04:00 | 10 | 11 | 12 | 11 | 13 | 2.3 | 237.0 | 63.1 | 81.0 | 989.3 | 0.0 |
| | 04:15 | 10 | 11 | 11 | 11 | 13 | 2.7 | 232.0 | 63.0 | 81.0 | 989.2 | 0.0 |
| | 04:30 | 10 | 10 | 11 | 11 | 12 | 2.9 | 228.0 | 63.0 | 82.0 | 989.0 | 0.0 |
| | 04:45 | 10 | 11 | 11 | 11 | 13 | 2.9 | 228.0 | 63.0 | 82.0 | 988.9 | 0.0 |
| | 05:00 | 10 | 10 | 11 | 11 | 12 | 2.7 | 215.0 | 62.6 | 83.0 | 988.7 | 0.0 |
| | 05:15 | 10 | 10 | 11 | 10 | 12 | 2.1 | 233.0 | 62.6 | 84.0 | 988.7 | 0.0 |
| | 05:30 | 10 | 10 | 11 | 11 | 12 | 1.9 | 228.0 | 62.4 | 84.0 | 988.6 | 0.0 |
| | 05:45 | 10 | 10 | 11 | 10 | 12 | 2.1 | 232.0 | 62.4 | 84.0 | 988.5 | 0.0 |
| | 06:00 | 10 | 10 | 11 | 11 | 12 | 1.8 | 220.0 | 62.2 | 85.0 | 988.5 | 0.0 |
| | 06:15 | 10 | 10 | 11 | 10 | 12 | 2.2 | 226.0 | 62.2 | 85.0 | 988.3 | 0.0 |
| | 06:30 | 10 | 10 | 12 | 10 | 11 | 3.0 | 211.0 | 62.2 | 84.0 | 988.2 | 0.0 |
| | 06:45 | 10 | 10 | 11 | 10 | 11 | 3.3 | 218.0 | 63.0 | 83.0 | 988.2 | 0.0 |
| | 07:00 | 10 | 10 | 11 | 11 | 12 | 3.3 | 215.0 | 63.9 | 82.0 | 988.0 | 0.0 |
| | 07:15 | 9 | 9 | 10 | 10 | 11 | 3.9 | 200.0 | 64.9 | 80.0 | 987.7 | 0.0 |
| | 07:30 | 9 | 9 | 10 | 10 | 11 | 4.4 | 215.0 | 66.0 | 78.0 | 987.5 | 0.0 |
| | 07:45 | 4 | 9 | 9 | 9 | 10 | 4.6 | 219.0 | 66.9 | 76.0 | 987.2 | 0.0 |
| | 08:00 | 8 | 5 | 5 | 5 | 8 | 5.5 | 212.0 | 67.6 | 75.0 | 986.9 | 0.0 |
| | 08:15 | 8 | 9 | 11 | 10 | 10 | 4.7 | 223.0 | 68.2 | 74.0 | 987.1 | 0.0 |
| | 08:30 | 8 | 8 | 11 | 8 | 9 | 4.6 | 233.0 | 68.4 | 75.0 | 987.0 | 0.0 |
| | 08:45 | 7 | 8 | 9 | 8 | 9 | 4.2 | 230.0 | 68.5 | 74.0 | 986.9 | 0.0 |
| | 09:00 | 6 | 7 | 8 | 7 | 8 | 4.7 | 225.0 | 68.7 | 74.0 | 986.8 | 0.0 |
| | 09:15 | 6 | 7 | 9 | 8 | 10 | 5.0 | 221.0 | 69.3 | 73.0 | 987.0 | 0.0 |
| | 09:30 | 6 | 7 | 10 | 8 | 9 | 5.0 | 237.0 | 70.0 | 72.0 | 986.9 | 0.0 |
| | 09:45 | 6 | 7 | 10 | 7 | 8 | 5.1 | 225.0 | 70.7 | 71.0 | 986.6 | 0.0 |
| | 10:00 | 6 | 8 | 9 | 7 | 8 | 3.5 | 235.0 | 70.7 | 71.0 | 987.3 | 0.0 |
| | 10:15 | 6 | 8 | 10 | 7 | 7 | 2.4 | 228.0 | 70.3 | 73.0 | 987.7 | 0.0 |
| | 10:30 | 6 | 7 | 11 | 6 | 7 | 2.2 | 220.0 | 70.0 | 74.0 | 988.0 | 0.0 |
| | 10:45 | 5 | 6 | 9 | 6 | 7 | 2.3 | 234.0 | 69.4 | 77.0 | 987.8 | 0.0 |
| | 11:00 | 4 | 4 | 8 | 5 | 6 | 1.2 | 216.0 | 69.3 | 80.0 | 987.9 | 0.0 |
| | 11:15 | 4 | 4 | 6 | 5 | 5 | 4.7 | 233.0 | 69.4 | 79.0 | 988.0 | 0.0 |
| | 11:30 | 3 | 4 | 6 | 6 | 6 | 3.1 | 210.0 | 70.3 | 80.0 | 987.7 | 0.0 |
| | 11:45 | 3 | 4 | 5 | 14 | 14 | 4.7 | 229.0 | 72.0 | 76.0 | 987.5 | 0.0 |
| | 12:00 | 3 | 4 | 5 | 11 | 13 | 4.8 | 233.0 | 73.6 | 73.0 | 987.4 | 0.0 |
| | 12:15 | 4 | 4 | 8 | 8 | 8 | 4.3 | 218.0 | 75.6 | 70.0 | 987.4 | 0.0 |
| | 12:30 | 4 | 4 | 5 | 6 | 6 | 3.7 | 227.0 | 76.8 | 67.0 | 987.4 | 0.0 |
| | 12:45 | 4 | 4 | 5 | 5 | 5 | 4.0 | 232.0 | 77.4 | 66.0 | 987.4 | 0.0 |
| | 13:00 | 4 | 6 | 5 | 5 | 5 | 4.4 | 229.0 | 78.4 | 64.0 | 987.4 | 0.0 |
| | 13:15 | 4 | 5 | 5 | 5 | 5 | 3.4 | 219.0 | 79.3 | 63.0 | 987.5 | 0.0 |
| | 13:30 | 4 | 4 | 5 | 5 | 5 | 3.8 | 212.0 | 80.1 | 62.0 | 987.5 | 0.0 |
| | 13:45 | 4 | 4 | 7 | 5 | 5 | 2.6 | 214.0 | 81.5 | 60.0 | 987.5 | 0.0 |
| | 14:00 | 4 | 4 | 7 | 6 | 6 | 3.3 | 217.0 | 82.8 | 54.0 | 987.4 | 0.0 |
| | 14:15 | 4 | 4 | 6 | 5 | 5 | 2.7 | 187.0 | 82.8 | 54.0 | 987.4 | 0.0 |
| | 14:30 | 4 | 5 | 6 | 5 | 5 | 2.1 | 217.0 | 82.8 | 53.0 | 987.5 | 0.0 |
| | 14:45 | 5 | 5 | 6 | 6 | 6 | 3.1 | 220.0 | 83.3 | 50.0 | 987.5 | 0.0 |
| | 15:00 | 5 | 4 | 6 | 6 | 6 | 2.2 | 240.0 | 82.2 | 50.0 | 987.7 | 0.0 |
| | 15:15 | 5 | 4 | 6 | 6 | 6 | 2.1 | 259.0 | 82.9 | 49.0 | 987.8 | 0.0 |
| | 15:30 | 4 | 4 | 6 | 5 | 5 | 2.3 | 245.0 | 85.1 | 40.0 | 987.9 | 0.0 |
| | 15:45 | 4 | 3 | 4 | 5 | 5 | 2.4 | 238.0 | 84.7 | 39.0 | 988.1 | 0.0 |
| | 16:00 | 4 | 3 | 3 | 5 | 6 | 2.2 | 251.0 | 84.0 | 39.0 | 988.2 | 0.0 |
| | 16:15 | 4 | 3 | 2 | 5 | 5 | 2.5 | 230.0 | 84.2 | 39.0 | 988.3 | 0.0 |
| | 16:30 | 3 | 3 | 2 | 7 | 7 | 1.9 | 214.0 | 84.0 | 37.0 | 988.4 | 0.0 |
| | 16:45 | 3 | 3 | 2 | 5 | 5 | 1.6 | 233.0 | 83.3 | 39.0 | 988.3 | 0.0 |
| | 17:00 | 3 | 3 | 2 | 4 | 4 | 1.7 | 227.0 | 83.7 | 37.0 | 988.4 | 0.0 |
| | 17:15 | 3 | 3 | 2 | 4 | 4 | 1.4 | 262.0 | 83.8 | 38.0 | 988.5 | 0.0 |
| | 17:30 | 4 | 3 | 2 | 4 | 5 | 1.9 | 212.0 | 82.9 | 40.0 | 988.7 | 0.0 |
| | 17:45 | 3 | 3 | 5 | 4 | 4 | 2.3 | 216.0 | 81.9 | 39.0 | 988.8 | 0.0 |
| | 18:00 | 3 | 2 | 8 | 4 | 4 | 1.2 | 182.0 | 80.1 | 42.0 | 988.8 | 0.0 |
| | 18:15 | 3 | 3 | 6 | 3 | 4 | 1.2 | 281.0 | 78.8 | 44.0 | 988.8 | 0.0 |
| | 18:30 | 3 | 3 | 5 | 3 | 4 | 1.1 | 259.0 | 77.7 | 46.0 | 988.9 | 0.0 |
| | 18:45 | 3 | 3 | 5 | 3 | 4 | 1.1 | 268.0 | 77.0 | 47.0 | 989.0 | 0.0 |
| | 19:00 | 4 | 3 | 4 | 3 | 4 | 1.0 | 266.0 | 76.1 | 48.0 | 989.1 | 0.0 |
| | 19:15 | 4 | 4 | 5 | 3 | 4 | 0.9 | 224.0 | 75.4 | 50.0 | 989.3 | 0.0 |
| | 19:30 | 4 | 4 | 5 | 4 | 5 | 0.7 | 245.0 | 74.5 | 50.0 | 989.5 | 0.0 |
| | 19:45 | 5 | 5 | 6 | 4 | 5 | 0.6 | 240.0 | 73.4 | 51.0 | 989.7 | 0.0 |
| | 20:00 | 5 | 5 | 5 | 5 | 5 | 0.6 | 219.0 | 72.1 | 55.0 | 990.0 | 0.0 |
| | 20:15 | 5 | 6 | 6 | 5 | 6 | 0.6 | 225.0 | 71.1 | 57.0 | 990.2 | 0.0 |
| | 20:30 | 6 | 6 | 7 | 5 | 6 | 0.6 | 241.0 | 69.8 | 58.0 | 990.4 | 0.0 |
| | 20:45 | 6 | 6 | 8 | 6 | 7 | 0.6 | 240.0 | 69.1 | 60.0 | 990.5 | 0.0 |
| | 21:00 | 6 | 7 | 8 | 6 | 8 | 0.6 | 239.0 | 68.5 | 63.0 | 990.8 | 0.0 |
| | 21:15 | 7 | 7 | 7 | 7 | 8 | 0.6 | 235.0 | 67.8 | 65.0 | 991.0 | 0.0 |
| | 21:30 | 7 | 7 | 8 | 6 | 8 | 0.6 | 233.0 | 67.1 | 67.0 | 991.3 | 0.0 |
| | 21:45 | 7 | 7 | 8 | 7 | 7 | 0.6 | 218.0 | 66.4 | 70.0 | 991.5 | 0.0 |
| | 22:00 | 8 | 8 | 9 | 7 | 8 | 0.6 | 223.0 | 65.7 | 72.0 | 991.6 | 0.0 |
| | 22:15 | 9 | 8 | 9 | 7 | 9 | 0.6 | 235.0 | 65.1 | 73.0 | 991.7 | 0.0 |
| | 22:30 | 9 | 9 | 10 | 8 | 9 | 0.6 | 234.0 | 65.1 | 73.0 | 991.8 | 0.0 |
| | 22:45 | 9 | 10 | 10 | 9 | 10 | 0.6 | 232.0 | 64.9 | 74.0 | 991.9 | 0.0 |
| | 23:00 | 9 | 10 | 11 | 10 | 11 | 0.6 | 240.0 | 64.8 | 73.0 | 992.1 | 0.0 |
| | 23:15 | 10 | 11 | 12 | 11 | 12 | 0.6 | 234.0 | 64.9 | 72.0 | 992.1 | 0.0 |
| | 23:30 | 10 | 11 | 12 | 11 | 12 | 0.6 | 244.0 | 64.9 | 70.0 | 992.1 | 0.0 |
| | 23:45 | 10 | 11 | 12 | 10 | 12 | 0.6 | 227.0 | 64.8 | 72.0 | 992.2 | 0.0 |
| | 00:00 | 10 | 11 | 12 | 11 | 12 | 0.6 | 239.0 | 64.2 | 73.0 | 992.3 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/18/2023 | 00:15 | 11 | 11 | 12 | 11 | 12 | 0.6 | 243.0 | 63.5 | 74.0 | 992.4 | 0.0 |
| | 00:30 | 11 | 10 | 13 | 11 | 12 | 0.6 | 239.0 | 63.1 | 76.0 | 992.5 | 0.0 |
| | 00:45 | 11 | 11 | 13 | 11 | 12 | 0.6 | 256.0 | 62.8 | 76.0 | 992.5 | 0.0 |
| | 01:00 | 10 | 11 | 13 | 11 | 12 | 0.6 | 251.0 | 62.2 | 77.0 | 992.7 | 0.0 |
| | 01:15 | 10 | 10 | 12 | 11 | 12 | 0.6 | 256.0 | 61.7 | 78.0 | 992.8 | 0.0 |
| | 01:30 | 10 | 10 | 12 | 10 | 11 | 0.6 | 268.0 | 61.3 | 79.0 | 992.8 | 0.0 |
| | 01:45 | 10 | 10 | 12 | 10 | 11 | 0.6 | 261.0 | 61.2 | 80.0 | 992.8 | 0.0 |
| | 02:00 | 10 | 10 | 12 | 10 | 11 | 0.6 | 256.0 | 61.3 | 78.0 | 992.9 | 0.0 |
| | 02:15 | 10 | 10 | 11 | 10 | 11 | 0.6 | 255.0 | 61.7 | 78.0 | 993.0 | 0.0 |
| | 02:30 | 9 | 10 | 11 | 10 | 10 | 0.6 | 255.0 | 61.3 | 78.0 | 993.0 | 0.0 |
| | 02:45 | 9 | 9 | 11 | 10 | 11 | 0.6 | 259.0 | 61.0 | 79.0 | 993.1 | 0.0 |
| | 03:00 | 9 | 9 | 11 | 9 | 10 | 0.6 | 257.0 | 60.3 | 80.0 | 993.3 | 0.0 |
| | 03:15 | 9 | 9 | 12 | 9 | 10 | 0.6 | 263.0 | 59.9 | 81.0 | 993.3 | 0.0 |
| | 03:30 | 9 | 9 | 12 | 9 | 10 | 0.6 | 274.0 | 59.7 | 81.0 | 993.4 | 0.0 |
| | 03:45 | 9 | 9 | 11 | 9 | 9 | 0.7 | 285.0 | 59.9 | 81.0 | 993.6 | 0.0 |
| | 04:00 | 8 | 9 | 10 | 8 | 9 | 0.7 | 274.0 | 59.5 | 82.0 | 993.8 | 0.0 |
| | 04:15 | 8 | 9 | 10 | 8 | 10 | 0.7 | 323.0 | 59.4 | 81.0 | 993.8 | 0.0 |
| | 04:30 | 8 | 9 | 10 | 8 | 10 | 0.7 | 307.0 | 59.4 | 82.0 | 993.9 | 0.0 |
| | 04:45 | 8 | 8 | 9 | 8 | 9 | 0.6 | 300.0 | 59.0 | 82.0 | 993.9 | 0.0 |
| | 05:00 | 8 | 8 | 9 | 8 | 9 | 0.6 | 268.0 | 58.5 | 83.0 | 994.0 | 0.0 |
| | 05:15 | 8 | 8 | 10 | 8 | 9 | 0.6 | 261.0 | 57.9 | 84.0 | 994.2 | 0.0 |
| | 05:30 | 8 | 8 | 9 | 8 | 8 | 0.6 | 261.0 | 57.6 | 85.0 | 994.4 | 0.0 |
| | 05:45 | 8 | 9 | 10 | 9 | 10 | 0.6 | 258.0 | 57.6 | 85.0 | 994.7 | 0.0 |
| | 06:00 | 8 | 8 | 10 | 8 | 10 | 0.6 | 262.0 | 57.2 | 86.0 | 994.9 | 0.0 |
| | 06:15 | 7 | 8 | 9 | 8 | 9 | 0.6 | 255.0 | 56.8 | 86.0 | 995.1 | 0.0 |
| | 06:30 | 8 | 8 | 9 | 8 | 9 | 0.6 | 267.0 | 56.7 | 87.0 | 995.2 | 0.0 |
| | 06:45 | 8 | 8 | 10 | 7 | 9 | 0.6 | 270.0 | 57.0 | 87.0 | 995.4 | 0.0 |
| | 07:00 | 8 | 8 | Offline | 8 | 9 | 0.6 | 231.0 | 57.4 | 87.0 | 995.5 | 0.0 |
| | 07:15 | 7 | 8 | 10 | 8 | 9 | 0.6 | 247.0 | 59.2 | 84.0 | 995.6 | 0.0 |
| | 07:30 | 7 | 8 | 10 | 8 | 9 | 0.7 | 280.0 | 62.2 | 77.0 | 995.7 | 0.0 |
| | 07:45 | 2 | 5 | 10 | 8 | 9 | 0.7 | 345.0 | 64.6 | 72.0 | 995.7 | 0.0 |
| | 08:00 | 8 | 8 | 6 | 4 | 6 | 0.6 | 210.0 | 66.2 | 68.0 | 995.8 | 0.0 |
| | 08:15 | 8 | 8 | 9 | 8 | 9 | 0.6 | 108.0 | 68.2 | 65.0 | 996.0 | 0.0 |
| | 08:30 | 7 | 5 | 8 | 7 | 8 | 0.6 | 125.0 | 68.4 | 63.0 | 996.1 | 0.0 |
| | 08:45 | 6 | 5 | 7 | 6 | 6 | 1.4 | 45.0 | 69.3 | 60.0 | 996.1 | 0.0 |
| | 09:00 | 5 | 4 | 7 | 5 | 6 | 1.5 | 92.0 | 69.8 | 58.0 | 996.3 | 0.0 |
| | 09:15 | 5 | 5 | 8 | 5 | 6 | 1.6 | 108.0 | 70.7 | 55.0 | 996.4 | 0.0 |
| | 09:30 | 6 | 9 | 5 | 4 | 5 | 1.6 | 110.0 | 71.8 | 52.0 | 996.5 | 0.0 |
| | 09:45 | 5 | 3 | 10 | 6 | 6 | 2.1 | 50.0 | 72.7 | 52.0 | 996.5 | 0.0 |
| | 10:00 | 5 | 3 | 6 | 4 | 4 | 1.7 | 95.0 | 74.1 | 51.0 | 996.6 | 0.0 |
| | 10:15 | 4 | 2 | 4 | 4 | 4 | 1.9 | 113.0 | 73.9 | 50.0 | 996.6 | 0.0 |
| | 10:30 | 4 | 2 | 3 | 4 | 3 | 1.7 | 78.0 | 74.7 | 48.0 | 996.7 | 0.0 |
| | 10:45 | 5 | 2 | 3 | 4 | 4 | 2.0 | 142.0 | 74.7 | 48.0 | 996.9 | 0.0 |
| | 11:00 | 4 | 2 | 4 | 4 | 4 | 1.5 | 128.0 | 75.7 | 46.0 | 996.8 | 0.0 |
| | 11:15 | 5 | 2 | 3 | 4 | 4 | 2.1 | 127.0 | 75.7 | 44.0 | 996.8 | 0.0 |
| | 11:30 | 5 | 3 | 5 | 4 | 4 | 2.1 | 114.0 | 75.2 | 45.0 | 996.7 | 0.0 |
| | 11:45 | 5 | 4 | 5 | 5 | 5 | 2.0 | 138.0 | 76.8 | 44.0 | 996.6 | 0.0 |
| | 12:00 | 5 | 3 | 5 | 5 | 5 | 2.7 | 39.0 | 77.5 | 41.0 | 996.5 | 0.0 |
| | 12:15 | 4 | 4 | 6 | 5 | 5 | 1.7 | 170.0 | 77.4 | 39.0 | 996.3 | 0.0 |
| | 12:30 | 4 | 4 | 7 | 5 | 5 | 1.9 | 56.0 | 78.4 | 41.0 | 996.3 | 0.0 |
| | 12:45 | 4 | 4 | 7 | 5 | 5 | 2.3 | 236.0 | 77.9 | 40.0 | 996.2 | 0.0 |
| | 13:00 | 4 | 4 | 7 | 5 | 5 | 1.7 | 77.0 | 79.2 | 42.0 | 996.1 | 0.0 |
| | 13:15 | 4 | 4 | 6 | 5 | 5 | 1.9 | 55.0 | 79.5 | 42.0 | 996.0 | 0.0 |
| | 13:30 | 5 | 4 | 6 | 5 | 5 | 1.9 | 162.0 | 79.3 | 42.0 | 995.9 | 0.0 |
| | 13:45 | 5 | 5 | 7 | 6 | 6 | 1.9 | 30.0 | 80.6 | 41.0 | 995.9 | 0.0 |
| | 14:00 | 5 | 5 | 7 | 6 | 6 | 1.5 | 114.0 | 81.3 | 41.0 | 995.8 | 0.0 |
| | 14:15 | 5 | 5 | 7 | 6 | 6 | 2.3 | 34.0 | 81.5 | 40.0 | 995.9 | 0.0 |
| | 14:30 | 5 | 5 | 8 | 6 | 6 | 2.4 | 35.0 | 81.0 | 42.0 | 995.7 | 0.0 |
| | 14:45 | 6 | 5 | 9 | 6 | 6 | 2.1 | 112.0 | 80.2 | 41.0 | 995.6 | 0.0 |
| | 15:00 | 8 | 5 | 7 | 6 | 6 | 2.6 | 99.0 | 79.7 | 42.0 | 995.5 | 0.0 |
| | 15:15 | 7 | 5 | 4 | 6 | 6 | 1.9 | 102.0 | 79.3 | 42.0 | 995.3 | 0.0 |
| | 15:30 | 6 | 5 | 5 | 6 | 6 | 2.0 | 105.0 | 80.1 | 41.0 | 995.1 | 0.0 |
| | 15:45 | 6 | 5 | 5 | 6 | 6 | 2.5 | 63.0 | 80.1 | 41.0 | 994.9 | 0.0 |
| | 16:00 | 6 | 5 | 5 | 6 | 6 | 2.3 | 72.0 | 80.1 | 42.0 | 994.9 | 0.0 |
| | 16:15 | 6 | 5 | 5 | 6 | 6 | 2.6 | 92.0 | 79.7 | 42.0 | 994.8 | 0.0 |
| | 16:30 | 6 | 5 | 5 | 6 | 6 | 1.4 | 140.0 | 80.1 | 41.0 | 994.8 | 0.0 |
| | 16:45 | 7 | 5 | 5 | 6 | 6 | 1.7 | 128.0 | 79.9 | 42.0 | 994.7 | 0.0 |
| | 17:00 | 8 | 5 | 7 | 6 | 6 | 1.6 | 166.0 | 79.5 | 43.0 | 994.5 | 0.0 |
| | 17:15 | 7 | 5 | 7 | 6 | 6 | 1.6 | 201.0 | 79.7 | 42.0 | 994.4 | 0.0 |
| | 17:30 | 6 | 5 | 8 | 6 | 6 | 1.5 | 119.0 | 79.5 | 42.0 | 994.2 | 0.0 |
| | 17:45 | 6 | 5 | 6 | 7 | 7 | 1.4 | 177.0 | 79.2 | 44.0 | 994.1 | 0.0 |
| | 18:00 | 6 | 5 | 5 | 6 | 6 | 1.4 | 197.0 | 76.8 | 47.0 | 994.0 | 0.0 |
| | 18:15 | 6 | 6 | 5 | 6 | 6 | 1.4 | 148.0 | 76.1 | 50.0 | 993.8 | 0.0 |
| | 18:30 | 6 | 6 | 6 | 6 | 7 | 1.0 | 183.0 | 75.4 | 53.0 | 993.7 | 0.0 |
| | 18:45 | 6 | 6 | 7 | 6 | 7 | 0.6 | 198.0 | 74.5 | 56.0 | 993.6 | 0.0 |
| | 19:00 | 6 | 6 | 7 | 6 | 7 | 0.8 | 189.0 | 73.4 | 58.0 | 993.6 | 0.0 |
| | 19:15 | 6 | 6 | 8 | 6 | 7 | 0.6 | 211.0 | 72.0 | 62.0 | 993.6 | 0.0 |
| | 19:30 | 6 | 7 | 8 | 6 | 7 | 0.6 | 210.0 | 70.7 | 63.0 | 993.8 | 0.0 |
| | 19:45 | 6 | 7 | 8 | 6 | 7 | 0.6 | 219.0 | 70.0 | 65.0 | 993.8 | 0.0 |
| | 20:00 | 6 | 6 | 9 | 6 | 7 | 0.6 | 209.0 | 69.1 | 68.0 | 994.0 | 0.0 |
| | 20:15 | 6 | 6 | 6 | 6 | 7 | 0.6 | 207.0 | 68.4 | 70.0 | 994.1 | 0.0 |
| | 20:30 | 6 | 7 | 8 | 6 | 7 | 0.6 | 184.0 | 67.5 | 73.0 | 994.2 | 0.0 |
| | 20:45 | 6 | 7 | 8 | 6 | 7 | 0.6 | 197.0 | 66.6 | 74.0 | 994.3 | 0.0 |
| | 21:00 | 6 | 7 | 8 | 6 | 7 | 0.6 | 209.0 | 66.2 | 75.0 | 994.4 | 0.0 |
| | 21:15 | 6 | 7 | 7 | 6 | 7 | 0.6 | 214.0 | 65.7 | 76.0 | 994.6 | 0.0 |
| | 21:30 | 7 | 7 | 8 | 6 | 7 | 0.6 | 197.0 | 65.1 | 77.0 | 994.8 | 0.0 |
| | 21:45 | 7 | 7 | 9 | 9 | 10 | 0.6 | 181.0 | 64.6 | 77.0 | 994.8 | 0.0 |
| | 22:00 | 8 | 8 | 10 | 9 | 10 | 0.6 | 88.0 | 64.0 | 78.0 | 994.8 | 0.0 |
| | 22:15 | 8 | 8 | 10 | 9 | 10 | 0.6 | 316.0 | 63.5 | 81.0 | 994.8 | 0.0 |
| | 22:30 | 8 | 9 | 10 | 9 | 10 | 0.6 | 183.0 | 63.3 | 81.0 | 994.8 | 0.0 |
| | 22:45 | 9 | 10 | 11 | 10 | 11 | 0.7 | 78.0 | 63.0 | 80.0 | 994.6 | 0.0 |
| | 23:00 | 8 | 9 | 10 | 9 | 10 | 0.6 | 40.0 | 62.6 | 82.0 | 994.5 | 0.0 |
| | 23:15 | 7 | 8 | 9 | 8 | 9 | 0.6 | 26.0 | 62.6 | 83.0 | 994.5 | 0.0 |
| | 23:30 | 7 | 8 | 9 | 7 | 8 | 0.7 | 37.0 | 62.6 | 82.0 | 994.4 | 0.0 |
| | 23:45 | 7 | 7 | 8 | 7 | 7 | 0.7 | 54.0 | 63.0 | 80.0 | 994.4 | 0.0 |
| | 00:00 | 7 | 7 | 8 | 7 | 7 | 0.9 | 58.0 | 63.7 | 77.0 | 994.4 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/19/2023 | 00:15 | 6 | 7 | 7 | 7 | 7 | 1.1 | 51.0 | 64.4 | 75.0 | 994.5 | 0.0 |
| | 00:30 | 7 | 6 | 7 | 6 | 7 | 1.0 | 75.0 | 64.4 | 75.0 | 994.4 | 0.0 |
| | 00:45 | 6 | 6 | 7 | 6 | 7 | 0.7 | 66.0 | 64.2 | 76.0 | 994.6 | 0.0 |
| | 01:00 | 6 | 6 | 7 | 6 | 7 | 0.6 | 191.0 | 63.5 | 78.0 | 994.6 | 0.0 |
| | 01:15 | 6 | 6 | 7 | 6 | 7 | 0.6 | 202.0 | 62.6 | 80.0 | 994.7 | 0.0 |
| | 01:30 | 6 | 6 | 7 | 6 | 7 | 0.6 | 233.0 | 62.1 | 82.0 | 994.7 | 0.0 |
| | 01:45 | 6 | 6 | 7 | 6 | 7 | 0.7 | 165.0 | 61.5 | 83.0 | 994.7 | 0.0 |
| | 02:00 | 6 | 6 | 7 | 6 | 7 | 0.6 | 83.0 | 61.3 | 83.0 | 994.7 | 0.0 |
| | 02:15 | 6 | 6 | 7 | 6 | 7 | 0.6 | 163.0 | 61.2 | 84.0 | 994.7 | 0.0 |
| | 02:30 | 6 | 7 | 7 | 6 | 7 | 0.7 | 132.0 | 61.0 | 84.0 | 994.5 | 0.0 |
| | 02:45 | 6 | 6 | 7 | 6 | 7 | 0.6 | 196.0 | 60.6 | 85.0 | 994.4 | 0.0 |
| | 03:00 | 6 | 6 | 6 | 6 | 7 | 0.7 | 308.0 | 60.4 | 85.0 | 994.4 | 0.0 |
| | 03:15 | 6 | 6 | 6 | 6 | 7 | 0.6 | 335.0 | 60.8 | 84.0 | 994.6 | 0.0 |
| | 03:30 | 6 | 6 | 7 | 6 | 7 | 0.6 | 41.0 | 61.2 | 84.0 | 994.7 | 0.0 |
| | 03:45 | 6 | 6 | 8 | 6 | 7 | 0.7 | 50.0 | 61.5 | 82.0 | 994.9 | 0.0 |
| | 04:00 | 6 | 6 | 7 | 6 | 7 | 0.6 | 86.0 | 61.5 | 83.0 | 995.0 | 0.0 |
| | 04:15 | 6 | 6 | 7 | 6 | 7 | 0.7 | 251.0 | 61.2 | 83.0 | 995.0 | 0.0 |
| | 04:30 | 6 | 7 | 7 | 6 | 7 | 0.7 | 74.0 | 61.2 | 83.0 | 995.0 | 0.0 |
| | 04:45 | 6 | 6 | 8 | 6 | 7 | 0.8 | 52.0 | 61.3 | 83.0 | 994.9 | 0.0 |
| | 05:00 | 7 | 6 | 7 | 6 | 7 | 0.8 | 262.0 | 61.7 | 82.0 | 994.9 | 0.0 |
| | 05:15 | 7 | 7 | 7 | 6 | 7 | 0.7 | 309.0 | 62.1 | 81.0 | 995.0 | 0.0 |
| | 05:30 | 7 | 6 | 7 | 6 | 7 | 0.9 | 87.0 | 62.1 | 81.0 | 995.1 | 0.0 |
| | 05:45 | 6 | 7 | 8 | 6 | 7 | 0.8 | 93.0 | 62.1 | 81.0 | 995.2 | 0.0 |
| | 06:00 | 7 | 6 | 7 | 7 | 7 | 0.7 | 272.0 | 61.7 | 81.0 | 995.4 | 0.0 |
| | 06:15 | 7 | 7 | 7 | 7 | 8 | 0.6 | 263.0 | 61.5 | 82.0 | 995.5 | 0.0 |
| | 06:30 | 7 | 7 | 7 | 6 | 8 | 0.7 | 45.0 | 61.5 | 82.0 | 995.8 | 0.0 |
| | 06:45 | 7 | 7 | 8 | 7 | 8 | 0.7 | 24.0 | 61.9 | 82.0 | 995.9 | 0.0 |
| | 07:00 | 7 | 7 | 9 | 7 | 8 | 0.8 | 242.0 | 62.4 | 80.0 | 995.9 | 0.0 |
| | 07:15 | 7 | 7 | 8 | 7 | 8 | 0.9 | 262.0 | 63.5 | 78.0 | 996.0 | 0.0 |
| | 07:30 | 7 | 7 | 9 | 7 | 8 | 1.2 | 94.0 | 64.6 | 76.0 | 995.9 | 0.0 |
| | 07:45 | 5 | 4 | 8 | 7 | 8 | 1.7 | 106.0 | 65.7 | 74.0 | 995.9 | 0.0 |
| | 08:00 | 8 | 7 | 7 | 4 | 6 | 2.0 | 97.0 | 66.7 | 72.0 | 995.8 | 0.0 |
| | 08:15 | 8 | 7 | 8 | 8 | 8 | 1.5 | 130.0 | 68.0 | 71.0 | 995.9 | 0.0 |
| | 08:30 | 8 | 7 | 8 | 8 | 8 | 2.0 | 126.0 | 69.1 | 69.0 | 995.8 | 0.0 |
| | 08:45 | 8 | 7 | 7 | 8 | 9 | 2.1 | 235.0 | 69.4 | 69.0 | 995.7 | 0.0 |
| | 09:00 | 8 | 8 | 7 | 8 | 9 | 2.6 | 214.0 | 69.4 | 70.0 | 995.8 | 0.0 |
| | 09:15 | 7 | 7 | 7 | 8 | 8 | 2.3 | 220.0 | 70.2 | 70.0 | 995.8 | 0.0 |
| | 09:30 | 8 | 7 | 7 | 8 | 8 | 3.7 | 210.0 | 71.1 | 68.0 | 995.7 | 0.0 |
| | 09:45 | 8 | 7 | 6 | 8 | 8 | 3.2 | 217.0 | 72.1 | 67.0 | 995.6 | 0.0 |
| | 10:00 | 8 | 7 | 7 | 8 | 8 | 3.0 | 189.0 | 73.2 | 65.0 | 995.5 | 0.0 |
| | 10:15 | 8 | 6 | 6 | 8 | 8 | 3.5 | 201.0 | 74.1 | 64.0 | 995.5 | 0.0 |
| | 10:30 | 8 | 6 | 6 | 8 | 8 | 3.0 | 148.0 | 75.4 | 61.0 | 995.6 | 0.0 |
| | 10:45 | 8 | 7 | 8 | 8 | 8 | 3.5 | 236.0 | 75.7 | 61.0 | 995.5 | 0.0 |
| | 11:00 | 8 | 7 | 6 | 8 | 8 | 3.3 | 220.0 | 76.6 | 61.0 | 995.3 | 0.0 |
| | 11:15 | 8 | 6 | 6 | 8 | 8 | 4.4 | 207.0 | 77.2 | 60.0 | 995.1 | 0.0 |
| | 11:30 | 8 | 7 | Offline | 8 | 8 | 3.9 | 221.0 | 77.5 | 59.0 | 995.0 | 0.0 |
| | 11:45 | 9 | 7 | 7 | 8 | 8 | 3.8 | 213.0 | 78.3 | 60.0 | 994.9 | 0.0 |
| | 12:00 | 8 | 7 | 8 | 8 | 9 | 4.4 | 218.0 | 78.8 | 58.0 | 994.9 | 0.0 |
| | 12:15 | 9 | 8 | 9 | 8 | 9 | 3.8 | 206.0 | 79.3 | 57.0 | 994.7 | 0.0 |
| | 12:30 | 8 | 7 | 9 | 8 | 9 | 3.9 | 206.0 | 80.1 | 57.0 | 994.4 | 0.0 |
| | 12:45 | 10 | 7 | 8 | 8 | 9 | 3.6 | 150.0 | 80.4 | 56.0 | 994.3 | 0.0 |
| | 13:00 | 11 | 7 | 9 | 7 | 8 | 4.0 | 216.0 | 81.0 | 56.0 | 994.2 | 0.0 |
| | 13:15 | 11 | 7 | 8 | 9 | 9 | 4.6 | 234.0 | 80.8 | 56.0 | 994.0 | 0.0 |
| | 13:30 | 10 | 7 | Offline | 8 | 8 | 4.2 | 168.0 | 81.1 | 55.0 | 993.9 | 0.0 |
| | 13:45 | 7 | 7 | 9 | 8 | 8 | 3.9 | 227.0 | 82.2 | 55.0 | 993.7 | 0.0 |
| | 14:00 | 7 | 6 | 9 | 7 | 7 | 3.7 | 215.0 | 82.2 | 54.0 | 993.6 | 0.0 |
| | 14:15 | 12 | 6 | 6 | 7 | 7 | 3.9 | 221.0 | 82.9 | 53.0 | 993.5 | 0.0 |
| | 14:30 | 6 | 6 | 5 | 7 | 7 | 4.0 | 223.0 | 82.9 | 51.0 | 993.4 | 0.0 |
| | 14:45 | 6 | 6 | 5 | 6 | 7 | 4.3 | 216.0 | 83.1 | 51.0 | 993.3 | 0.0 |
| | 15:00 | 7 | 5 | 7 | 6 | 7 | 3.7 | 206.0 | 83.5 | 50.0 | 993.1 | 0.0 |
| | 15:15 | 7 | 5 | 7 | 6 | 7 | 4.3 | 224.0 | 83.5 | 50.0 | 992.8 | 0.0 |
| | 15:30 | 6 | 6 | 6 | 6 | 7 | 3.9 | 214.0 | 84.0 | 49.0 | 992.5 | 0.0 |
| | 15:45 | 5 | 6 | 6 | 6 | 7 | 4.3 | 212.0 | 83.7 | 49.0 | 992.2 | 0.0 |
| | 16:00 | 6 | 5 | 5 | 6 | 7 | 4.6 | 229.0 | 83.7 | 49.0 | 991.8 | 0.0 |
| | 16:15 | 6 | 6 | 6 | 7 | 7 | 3.9 | 219.0 | 83.8 | 50.0 | 991.7 | 0.0 |
| | 16:30 | 8 | 5 | 5 | 6 | 6 | 4.2 | 186.0 | 83.8 | 50.0 | 991.7 | 0.0 |
| | 16:45 | 6 | 6 | 6 | 8 | 7 | 3.8 | 211.0 | 84.0 | 50.0 | 991.7 | 0.0 |
| | 17:00 | 5 | 5 | 5 | 6 | 6 | 3.7 | 220.0 | 84.2 | 50.0 | 991.6 | 0.0 |
| | 17:15 | 5 | 5 | 5 | 6 | 6 | 4.0 | 211.0 | 83.8 | 51.0 | 991.4 | 0.0 |
| | 17:30 | 6 | 5 | 6 | 7 | 7 | 4.0 | 230.0 | 83.5 | 52.0 | 991.4 | 0.0 |
| | 17:45 | 6 | 6 | 7 | 7 | 7 | 3.6 | 239.0 | 83.1 | 52.0 | 991.6 | 0.0 |
| | 18:00 | 6 | 6 | 7 | 7 | 7 | 3.0 | 227.0 | 82.0 | 54.0 | 991.4 | 0.0 |
| | 18:15 | 5 | 6 | 6 | 7 | 7 | 3.2 | 228.0 | 81.3 | 54.0 | 991.3 | 0.0 |
| | 18:30 | 5 | 6 | 5 | 7 | 7 | 2.9 | 222.0 | 81.0 | 56.0 | 991.4 | 0.0 |
| | 18:45 | 5 | 6 | 6 | 7 | 7 | 2.8 | 228.0 | 80.4 | 56.0 | 991.4 | 0.0 |
| | 19:00 | 5 | 6 | 6 | 7 | 7 | 3.0 | 233.0 | 79.9 | 56.0 | 991.3 | 0.0 |
| | 19:15 | 5 | 6 | 8 | 7 | 7 | 2.6 | 242.0 | 79.3 | 56.0 | 991.3 | 0.0 |
| | 19:30 | 5 | 6 | 8 | 6 | 7 | 2.1 | 235.0 | 78.4 | 58.0 | 991.5 | 0.0 |
| | 19:45 | 6 | 6 | 9 | 6 | 7 | 1.8 | 231.0 | 77.9 | 60.0 | 991.6 | 0.0 |
| | 20:00 | 5 | 6 | 9 | 6 | 7 | 1.5 | 240.0 | 77.2 | 62.0 | 991.6 | 0.0 |
| | 20:15 | 6 | 6 | 8 | 7 | 7 | 1.5 | 260.0 | 76.5 | 64.0 | 991.6 | 0.0 |
| | 20:30 | 5 | 6 | 8 | 7 | 7 | 1.5 | 232.0 | 75.9 | 66.0 | 991.7 | 0.0 |
| | 20:45 | 5 | 6 | Offline | 7 | 7 | 1.1 | 257.0 | 75.6 | 68.0 | 991.8 | 0.0 |
| | 21:00 | 5 | 7 | 8 | 7 | 7 | 1.0 | 264.0 | 75.0 | 70.0 | 991.9 | 0.0 |
| | 21:15 | 6 | 6 | 8 | 7 | 7 | 1.6 | 246.0 | 74.8 | 71.0 | 992.0 | 0.0 |
| | 21:30 | 5 | 6 | 9 | 7 | 7 | 2.2 | 244.0 | 74.7 | 72.0 | 992.1 | 0.0 |
| | 21:45 | 5 | 6 | 8 | 7 | 7 | 2.4 | 247.0 | 74.3 | 73.0 | 992.1 | 0.0 |
| | 22:00 | 5 | 6 | 8 | 7 | 8 | 2.4 | 237.0 | 73.9 | 74.0 | 992.2 | 0.0 |
| | 22:15 | 5 | 6 | 8 | 7 | 9 | 2.3 | 235.0 | 73.8 | 74.0 | 992.1 | 0.0 |
| | 22:30 | 5 | 6 | 8 | 8 | 8 | 1.8 | 249.0 | 73.8 | 75.0 | 992.1 | 0.0 |
| | 22:45 | 5 | 6 | 8 | 8 | 8 | 2.6 | 233.0 | 73.6 | 75.0 | 992.0 | 0.0 |
| | 23:00 | 6 | 6 | 8 | 8 | 8 | 2.9 | 228.0 | 74.1 | 74.0 | 992.0 | 0.0 |
| | 23:15 | 6 | 7 | 9 | 8 | 8 | 3.6 | 219.0 | 74.8 | 72.0 | 992.1 | 0.0 |
| | 23:30 | 6 | 7 | 9 | 8 | 8 | 3.1 | 224.0 | 74.8 | 72.0 | 992.3 | 0.0 |
| | 23:45 | 6 | 7 | 9 | 8 | 8 | 2.3 | 236.0 | 74.3 | 73.0 | 992.5 | 0.0 |
| | 00:00 | 6 | 7 | 9 | 8 | 9 | 2.1 | 209.0 | 73.9 | 74.0 | 992.5 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/20/2023 | 00:15 | 7 | 7 | 8 | 8 | 9 | 2.4 | 226.0 | 73.4 | 75.0 | 992.4 | 0.0 |
| | 00:30 | 7 | 7 | 7 | 8 | 9 | 1.4 | 235.0 | 73.0 | 76.0 | 992.4 | 0.0 |
| | 00:45 | 6 | 7 | 7 | 8 | 9 | 1.5 | 239.0 | 72.7 | 78.0 | 992.4 | 0.0 |
| | 01:00 | 7 | 7 | 7 | 8 | 10 | 1.8 | 219.0 | 72.5 | 78.0 | 992.4 | 0.0 |
| | 01:15 | 7 | 7 | 7 | 8 | 9 | 1.9 | 216.0 | 72.5 | 78.0 | 992.4 | 0.0 |
| | 01:30 | 7 | 7 | 7 | 8 | 9 | 2.0 | 225.0 | 72.9 | 78.0 | 992.6 | 0.0 |
| | 01:45 | 6 | 7 | 7 | 8 | 9 | 1.0 | 216.0 | 72.7 | 78.0 | 992.6 | 0.0 |
| | 02:00 | 6 | 6 | 7 | 7 | 8 | 1.0 | 257.0 | 72.3 | 79.0 | 992.6 | 0.0 |
| | 02:15 | 6 | 7 | 7 | 7 | 8 | 1.1 | 257.0 | 72.1 | 79.0 | 992.8 | 0.0 |
| | 02:30 | 6 | 6 | 6 | 7 | 8 | 0.7 | 224.0 | 71.8 | 80.0 | 992.9 | 0.0 |
| | 02:45 | 6 | 6 | 7 | 7 | 7 | 0.7 | 212.0 | 71.1 | 82.0 | 993.1 | 0.0 |
| | 03:00 | 6 | 6 | 6 | 6 | 7 | 0.6 | 53.0 | 70.5 | 83.0 | 993.4 | 0.0 |
| | 03:15 | 6 | 6 | 6 | 6 | 7 | 0.6 | 208.0 | 69.8 | 84.0 | 993.5 | 0.0 |
| | 03:30 | 6 | 6 | 6 | 6 | 7 | 0.7 | 206.0 | 69.6 | 85.0 | 993.5 | 0.0 |
| | 03:45 | 6 | 6 | 6 | 7 | 8 | 0.7 | 171.0 | 69.6 | 86.0 | 993.5 | 0.0 |
| | 04:00 | 6 | 6 | 7 | 7 | 8 | 0.7 | 139.0 | 69.8 | 85.0 | 993.4 | 0.0 |
| | 04:15 | 6 | 6 | 6 | 7 | 8 | 1.2 | 247.0 | 70.5 | 84.0 | 993.4 | 0.0 |
| | 04:30 | 6 | 6 | 6 | 7 | 8 | 0.8 | 211.0 | 70.7 | 83.0 | 993.5 | 0.0 |
| | 04:45 | 6 | 6 | 6 | 7 | 7 | 1.1 | 185.0 | 70.5 | 83.0 | 993.5 | 0.0 |
| | 05:00 | 6 | 6 | 6 | 7 | 7 | 1.1 | 244.0 | 70.3 | 83.0 | 993.5 | 0.0 |
| | 05:15 | 5 | 6 | 6 | 6 | 7 | 1.2 | 239.0 | 70.3 | 83.0 | 993.5 | 0.0 |
| | 05:30 | 6 | 6 | 5 | 6 | 7 | 1.0 | 242.0 | 70.2 | 84.0 | 993.6 | 0.0 |
| | 05:45 | 6 | 5 | 6 | 6 | 7 | 0.8 | 226.0 | 69.8 | 84.0 | 993.7 | 0.0 |
| | 06:00 | 6 | 5 | 6 | 6 | 7 | 0.7 | 93.0 | 69.6 | 85.0 | 993.8 | 0.0 |
| | 06:15 | 5 | 5 | 6 | 6 | 7 | 0.8 | 254.0 | 69.4 | 85.0 | 993.9 | 0.0 |
| | 06:30 | 5 | 5 | 5 | 6 | 7 | 1.0 | 251.0 | 69.8 | 85.0 | 993.9 | 0.0 |
| | 06:45 | 5 | 6 | 5 | 6 | 7 | 1.1 | 244.0 | 70.2 | 84.0 | 994.1 | 0.0 |
| | 07:00 | 6 | 6 | 5 | 6 | 6 | 0.8 | 235.0 | 70.3 | 84.0 | 994.3 | 0.0 |
| | 07:15 | 5 | 5 | 5 | 6 | 6 | 0.7 | 234.0 | 70.5 | 84.0 | 994.4 | 0.0 |
| | 07:30 | 5 | 6 | 5 | 6 | 7 | 0.9 | 211.0 | 70.9 | 83.0 | 994.3 | 0.0 |
| | 07:45 | 5 | 6 | Offline | 6 | 6 | 2.6 | 217.0 | 72.0 | 81.0 | 994.3 | 0.0 |
| | 08:00 | 5 | 6 | Offline | 6 | 6 | 3.1 | 235.0 | 73.2 | 79.0 | 994.4 | 0.0 |
| | 08:15 | 5 | 6 | Offline | 6 | 7 | 3.0 | 221.0 | 74.7 | 77.0 | 994.4 | 0.0 |
| | 08:30 | 5 | 6 | 5 | 6 | 6 | 2.6 | 227.0 | 75.4 | 77.0 | 994.5 | 0.0 |
| | 08:45 | 5 | 6 | Offline | 6 | 7 | 2.7 | 226.0 | 75.7 | 77.0 | 994.6 | 0.0 |
| | 09:00 | 6 | 6 | 5 | 7 | 7 | 3.6 | 226.0 | 75.7 | 77.0 | 994.7 | 0.0 |
| | 09:15 | 6 | 6 | Offline | 6 | 7 | 2.7 | 231.0 | 75.7 | 77.0 | 994.7 | 0.0 |
| | 09:30 | 6 | 6 | Offline | 7 | 7 | 3.0 | 219.0 | 76.5 | 76.0 | 994.7 | 0.0 |
| | 09:45 | 5 | 6 | Offline | 7 | 7 | 3.5 | 216.0 | 76.8 | 76.0 | 994.8 | 0.0 |
| | 10:00 | 5 | 6 | Offline | 7 | 7 | 3.1 | 218.0 | 77.4 | 75.0 | 994.9 | 0.0 |
| | 10:15 | 6 | 6 | Offline | 7 | 7 | 3.0 | 210.0 | 77.4 | 76.0 | 994.9 | 0.0 |
| | 10:30 | 6 | 6 | Offline | 6 | 7 | 3.4 | 209.0 | 78.8 | 74.0 | 995.0 | 0.0 |
| | 10:45 | 6 | 6 | 6 | 6 | 7 | 3.5 | 212.0 | 79.5 | 73.0 | 994.9 | 0.0 |
| | 11:00 | 6 | 6 | 7 | 6 | 7 | 3.9 | 228.0 | 81.0 | 71.0 | 994.7 | 0.0 |
| | 11:15 | 6 | 6 | 5 | 6 | 7 | 2.7 | 227.0 | 81.7 | 71.0 | 994.8 | 0.0 |
| | 11:30 | 6 | 6 | 4 | 6 | 7 | 3.0 | 212.0 | 83.3 | 70.0 | 994.7 | 0.0 |
| | 11:45 | 7 | 6 | 5 | 6 | 8 | 2.9 | 218.0 | 83.8 | 70.0 | 994.5 | 0.0 |
| | 12:00 | 7 | 7 | 7 | 7 | 7 | 2.4 | 230.0 | 84.2 | 70.0 | 994.7 | 0.0 |
| | 12:15 | 6 | 6 | 7 | 6 | 7 | 1.5 | 154.0 | 86.0 | 68.0 | 994.7 | 0.0 |
| | 12:30 | 7 | 6 | 7 | 7 | 8 | 1.2 | 175.0 | 86.7 | 67.0 | 994.8 | 0.0 |
| | 12:45 | 7 | 6 | 7 | 7 | 8 | 1.7 | 198.0 | 87.6 | 66.0 | 994.8 | 0.0 |
| | 13:00 | 7 | 6 | 8 | 7 | 8 | 1.4 | 270.0 | 88.3 | 65.0 | 994.6 | 0.0 |
| | 13:15 | 7 | 6 | 7 | 7 | 8 | 1.8 | 354.0 | 91.2 | 61.0 | 994.6 | 0.0 |
| | 13:30 | 6 | 6 | 7 | 7 | 8 | 1.7 | 12.0 | 93.4 | 58.0 | 994.6 | 0.0 |
| | 13:45 | 6 | 6 | 8 | 6 | 8 | 1.9 | 69.0 | 93.4 | 58.0 | 994.6 | 0.0 |
| | 14:00 | 6 | 6 | 9 | 6 | 8 | 1.9 | 91.0 | 92.3 | 60.0 | 994.6 | 0.0 |
| | 14:15 | 6 | 6 | 9 | 7 | 8 | 1.7 | 79.0 | 92.1 | 61.0 | 994.5 | 0.0 |
| | 14:30 | 6 | 6 | 7 | 6 | 8 | 3.1 | 67.0 | 92.1 | 60.0 | 994.5 | 0.0 |
| | 14:45 | 6 | 6 | 7 | 6 | 8 | 2.2 | 54.0 | 92.5 | 60.0 | 994.4 | 0.0 |
| | 15:00 | 6 | 6 | 8 | 6 | 8 | 1.9 | 157.0 | 91.9 | 61.0 | 994.5 | 0.0 |
| | 15:15 | 6 | 6 | 9 | 6 | 8 | 2.3 | 114.0 | 91.6 | 61.0 | 994.5 | 0.0 |
| | 15:30 | 6 | 6 | 10 | 6 | 8 | 2.3 | 77.0 | 92.5 | 61.0 | 994.4 | 0.0 |
| | 15:45 | 7 | 6 | 9 | 7 | 8 | 2.0 | 191.0 | 93.0 | 59.0 | 994.4 | 0.0 |
| | 16:00 | 7 | 6 | 10 | 7 | 8 | 2.8 | 74.0 | 92.7 | 61.0 | 994.2 | 0.0 |
| | 16:15 | 8 | 7 | 16 | 10 | 11 | 2.3 | 67.0 | 93.0 | 60.0 | 994.4 | 0.0 |
| | 16:30 | 8 | 6 | 15 | 9 | 10 | 2.8 | 76.0 | 92.8 | 61.0 | 994.4 | 0.0 |
| | 16:45 | 8 | 6 | 12 | 7 | 8 | 1.5 | 108.0 | 92.8 | 60.0 | 994.4 | 0.0 |
| | 17:00 | 8 | 6 | 11 | 7 | 8 | 2.8 | 55.0 | 92.8 | 62.0 | 994.3 | 0.0 |
| | 17:15 | 8 | 6 | 10 | 7 | 8 | 2.8 | 90.0 | 91.9 | 63.0 | 994.3 | 0.0 |
| | 17:30 | 7 | 6 | 9 | 7 | 8 | 1.8 | 122.0 | 91.9 | 61.0 | 994.3 | 0.0 |
| | 17:45 | 7 | 6 | 9 | 8 | 9 | 2.1 | 103.0 | 92.1 | 63.0 | 994.3 | 0.0 |
| | 18:00 | 7 | 6 | 10 | 8 | 9 | 2.3 | 55.0 | 90.7 | 65.0 | 994.3 | 0.0 |
| | 18:15 | 6 | 7 | 8 | 8 | 10 | 2.1 | 27.0 | 89.8 | 67.0 | 994.5 | 0.0 |
| | 18:30 | 7 | 7 | 10 | 7 | 9 | 1.5 | 71.0 | 89.4 | 68.0 | 994.7 | 0.0 |
| | 18:45 | 7 | 7 | 9 | 7 | 8 | 2.2 | 54.0 | 89.2 | 68.0 | 994.9 | 0.0 |
| | 19:00 | 7 | 7 | 9 | 7 | 8 | 1.0 | 76.0 | 88.5 | 70.0 | 994.7 | 0.0 |
| | 19:15 | 7 | 7 | 10 | 7 | 8 | 2.2 | 49.0 | 87.6 | 72.0 | 994.9 | 0.0 |
| | 19:30 | 8 | 7 | 8 | 8 | 9 | 2.2 | 32.0 | 86.7 | 74.0 | 995.1 | 0.0 |
| | 19:45 | 7 | 7 | 9 | 8 | 9 | 2.4 | 48.0 | 86.4 | 74.0 | 995.2 | 0.0 |
| | 20:00 | 7 | 7 | 8 | 8 | 9 | 2.2 | 53.0 | 85.6 | 76.0 | 995.2 | 0.0 |
| | 20:15 | 8 | 7 | 8 | 8 | 9 | 3.3 | 55.0 | 84.9 | 78.0 | 995.3 | 0.0 |
| | 20:30 | 9 | 9 | 8 | 9 | 10 | 2.8 | 55.0 | 84.4 | 79.0 | 995.5 | 0.0 |
| | 20:45 | 10 | 10 | 13 | 13 | 14 | 3.0 | 47.0 | 83.8 | 80.0 | 995.6 | 0.0 |
| | 21:00 | 7 | 8 | Offline | 9 | 9 | 2.4 | 41.0 | 83.7 | 80.0 | 995.9 | 0.0 |
| | 21:15 | 8 | 8 | 8 | 9 | 10 | 2.3 | 38.0 | 83.3 | 81.0 | 996.1 | 0.0 |
| | 21:30 | 8 | 8 | 9 | 9 | 10 | 2.9 | 50.0 | 82.9 | 81.0 | 996.3 | 0.0 |
| | 21:45 | 8 | 8 | 9 | 9 | 10 | 2.8 | 40.0 | 82.6 | 81.0 | 996.5 | 0.0 |
| | 22:00 | 8 | 8 | 8 | 9 | 10 | 2.7 | 50.0 | 82.6 | 81.0 | 996.6 | 0.0 |
| | 22:15 | 8 | 8 | 8 | 9 | 10 | 2.8 | 43.0 | 82.4 | 80.0 | 996.5 | 0.0 |
| | 22:30 | 8 | 8 | 8 | 9 | 9 | 2.6 | 48.0 | 82.2 | 81.0 | 996.6 | 0.0 |
| | 22:45 | 8 | 7 | 8 | 9 | 9 | 2.8 | 55.0 | 81.9 | 82.0 | 996.7 | 0.0 |
| | 23:00 | 8 | 8 | 9 | 9 | 10 | 2.3 | 51.0 | 81.7 | 82.0 | 996.7 | 0.0 |
| | 23:15 | 8 | 7 | 9 | 9 | 9 | 2.8 | 56.0 | 81.3 | 83.0 | 996.6 | 0.0 |
| | 23:30 | 8 | 7 | 9 | 9 | 10 | 1.9 | 54.0 | 80.8 | 84.0 | 996.6 | 0.0 |
| | 23:45 | 8 | 7 | 8 | 8 | 9 | 2.3 | 56.0 | 80.2 | 84.0 | 996.7 | 0.0 |
| | 00:00 | 8 | 7 | 9 | 8 | 9 | 1.8 | 65.0 | 80.1 | 85.0 | 996.7 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/21/2023 | 00:15 | 7 | 8 | 11 | 8 | 9 | 1.7 | 70.0 | 79.7 | 86.0 | 996.7 | 0.0 |
| | 00:30 | 8 | 8 | 12 | 9 | 9 | 1.3 | 64.0 | 79.3 | 86.0 | 996.7 | 0.0 |
| | 00:45 | 8 | 8 | 11 | 8 | 9 | 1.4 | 67.0 | 79.2 | 86.0 | 996.6 | 0.0 |
| | 01:00 | 8 | 8 | 12 | 9 | 9 | 1.4 | 60.0 | 78.8 | 87.0 | 996.6 | 0.0 |
| | 01:15 | 7 | 8 | 13 | 8 | 9 | 1.7 | 41.0 | 78.4 | 87.0 | 996.7 | 0.0 |
| | 01:30 | 8 | 8 | 12 | 8 | 9 | 1.9 | 57.0 | 78.3 | 87.0 | 996.7 | 0.0 |
| | 01:45 | 8 | 8 | 12 | 9 | 9 | 1.4 | 33.0 | 78.1 | 87.0 | 996.9 | 0.0 |
| | 02:00 | 8 | 8 | 14 | 8 | 9 | 1.5 | 39.0 | 78.3 | 87.0 | 997.0 | 0.0 |
| | 02:15 | 7 | 8 | 13 | 9 | 9 | 0.9 | 16.0 | 78.1 | 87.0 | 996.9 | 0.0 |
| | 02:30 | 8 | 8 | 13 | 9 | 10 | 0.8 | 16.0 | 77.7 | 87.0 | 996.8 | 0.0 |
| | 02:45 | 8 | 9 | 14 | 9 | 9 | 0.6 | 60.0 | 77.2 | 88.0 | 996.7 | 0.0 |
| | 03:00 | 8 | 9 | 13 | 9 | 9 | 0.6 | 30.0 | 77.2 | 88.0 | 996.8 | 0.0 |
| | 03:15 | 8 | 8 | 13 | 9 | 9 | 0.8 | 15.0 | 77.2 | 88.0 | 996.9 | 0.0 |
| | 03:30 | 8 | 9 | 14 | 9 | 9 | 0.7 | 8.0 | 77.2 | 88.0 | 996.9 | 0.0 |
| | 03:45 | 8 | 9 | 13 | 9 | 10 | 0.9 | 17.0 | 77.4 | 88.0 | 996.9 | 0.0 |
| | 04:00 | 9 | 9 | 14 | 10 | 10 | 0.9 | 39.0 | 77.4 | 88.0 | 996.9 | 0.0 |
| | 04:15 | 8 | 9 | 14 | 9 | 10 | 1.0 | 26.0 | 77.0 | 88.0 | 996.9 | 0.0 |
| | 04:30 | 8 | 9 | 14 | 9 | 10 | 0.8 | 4.0 | 76.8 | 89.0 | 997.0 | 0.0 |
| | 04:45 | 9 | 10 | 14 | 10 | 10 | 0.7 | 348.0 | 76.8 | 89.0 | 996.9 | 0.0 |
| | 05:00 | 9 | 10 | 14 | 9 | 10 | 0.8 | 57.0 | 76.6 | 89.0 | 996.9 | 0.0 |
| | 05:15 | 8 | 9 | 14 | 10 | 10 | 0.6 | 13.0 | 76.6 | 89.0 | 996.9 | 0.0 |
| | 05:30 | 9 | 9 | 14 | 9 | 11 | 0.9 | 18.0 | 76.6 | 90.0 | 996.9 | 0.0 |
| | 05:45 | 9 | 10 | 15 | 10 | 10 | 0.9 | 18.0 | 77.0 | 89.0 | 997.1 | 0.0 |
| | 06:00 | 9 | 9 | 13 | 10 | 11 | 0.7 | 19.0 | 77.2 | 89.0 | 997.1 | 0.0 |
| | 06:15 | 9 | 10 | 14 | 10 | 11 | 1.1 | 25.0 | 77.2 | 89.0 | 997.3 | 0.0 |
| | 06:30 | 9 | 10 | 15 | 10 | 11 | 1.2 | 19.0 | 77.4 | 89.0 | 997.5 | 0.0 |
| | 06:45 | 10 | 11 | 13 | 12 | 12 | 1.1 | 19.0 | 77.5 | 89.0 | 997.7 | 0.0 |
| | 07:00 | 10 | 11 | 17 | 11 | 13 | 1.5 | 27.0 | 77.5 | 89.0 | 997.9 | 0.0 |
| | 07:15 | 9 | 11 | 14 | 11 | 12 | 2.1 | 58.0 | 77.9 | 89.0 | 998.0 | 0.0 |
| | 07:30 | 10 | 10 | 13 | 10 | 11 | 2.5 | 58.0 | 78.3 | 88.0 | 998.0 | 0.0 |
| | 07:45 | 10 | 10 | 15 | 11 | 12 | 2.9 | 54.0 | 79.0 | 87.0 | 998.0 | 0.0 |
| | 08:00 | 10 | 10 | 15 | 11 | 11 | 2.6 | 55.0 | 80.1 | 84.0 | 998.0 | 0.0 |
| | 08:15 | 9 | 11 | 13 | 12 | 13 | 3.5 | 55.0 | 81.0 | 82.0 | 998.1 | 0.0 |
| | 08:30 | 11 | 10 | 12 | 11 | 12 | 2.9 | 62.0 | 81.7 | 81.0 | 998.3 | 0.0 |
| | 08:45 | 10 | 10 | Offline | 5 | 11 | 3.0 | 48.0 | 82.2 | 80.0 | 998.2 | 0.0 |
| | 09:00 | 10 | 10 | Offline | 11 | 0 | 2.4 | 60.0 | 83.1 | 79.0 | 998.1 | 0.0 |
| | 09:15 | 9 | 5 | Offline | 13 | 10 | 3.3 | 57.0 | 84.2 | 76.0 | 998.1 | 0.0 |
| | 09:30 | 5 | 10 | Offline | 11 | 13 | 2.6 | 71.0 | 85.5 | 74.0 | 998.0 | 0.0 |
| | 09:45 | 9 | 10 | Offline | 16 | 15 | 2.6 | 68.0 | 86.5 | 73.0 | 998.1 | 0.0 |
| | 10:00 | 10 | 12 | Offline | 17 | 17 | 2.9 | 47.0 | 87.4 | 71.0 | 998.3 | 0.0 |
| | 10:15 | 10 | 10 | Offline | 17 | 16 | 2.8 | 46.0 | 88.2 | 70.0 | 998.3 | 0.0 |
| | 10:30 | 10 | 10 | 10 | 15 | 16 | 2.5 | 34.0 | 89.2 | 68.0 | 998.4 | 0.0 |
| | 10:45 | 10 | 10 | 11 | 28 | 26 | 2.8 | 39.0 | 89.8 | 67.0 | 998.5 | 0.0 |
| | 11:00 | 11 | 10 | 12 | 18 | 18 | 2.3 | 39.0 | 90.5 | 66.0 | 998.5 | 0.0 |
| | 11:15 | 11 | 10 | 14 | 27 | 24 | 3.2 | 45.0 | 90.3 | 67.0 | 998.5 | 0.0 |
| | 11:30 | 12 | 10 | 13 | 23 | 23 | 3.5 | 43.0 | 90.0 | 67.0 | 998.4 | 0.0 |
| | 11:45 | 12 | 11 | 14 | 15 | 16 | 2.7 | 15.0 | 88.5 | 70.0 | 998.3 | 0.0 |
| | 12:00 | 11 | 12 | 13 | 15 | 16 | 2.5 | 18.0 | 88.7 | 70.0 | 998.3 | 0.0 |
| | 12:15 | 11 | 12 | 15 | 14 | 16 | 3.2 | 32.0 | 88.5 | 70.0 | 998.3 | 0.0 |
| | 12:30 | 12 | 12 | 17 | 16 | 18 | 2.9 | 14.0 | 89.8 | 69.0 | 998.3 | 0.0 |
| | 12:45 | 11 | 12 | 17 | 15 | 17 | 2.8 | 44.0 | 90.7 | 66.0 | 998.2 | 0.0 |
| | 13:00 | 13 | 12 | 18 | 16 | 17 | 2.6 | 36.0 | 90.0 | 67.0 | 998.1 | 0.0 |
| | 13:15 | 12 | 12 | 19 | 16 | 17 | 2.6 | 34.0 | 90.1 | 67.0 | 998.0 | 0.0 |
| | 13:30 | 13 | 13 | 19 | 19 | 20 | 2.4 | 19.0 | 91.4 | 65.0 | 998.0 | 0.0 |
| | 13:45 | 14 | 14 | 20 | 17 | 18 | 2.4 | 21.0 | 91.0 | 64.0 | 997.9 | 0.0 |
| | 14:00 | 16 | 14 | 21 | 22 | 22 | 2.8 | 17.0 | 90.3 | 65.0 | 997.9 | 0.0 |
| | 14:15 | 15 | 14 | 20 | 22 | 22 | 2.8 | 27.0 | 90.7 | 65.0 | 997.8 | 0.0 |
| | 14:30 | 15 | 14 | 20 | 19 | 19 | 3.6 | 47.0 | 90.9 | 64.0 | 997.8 | 0.0 |
| | 14:45 | 16 | 14 | 20 | 19 | 20 | 3.0 | 55.0 | 90.9 | 64.0 | 997.8 | 0.0 |
| | 15:00 | 15 | 14 | 18 | 17 | Offline | 3.7 | 49.0 | 91.0 | 63.0 | 997.7 | 0.0 |
| | 15:15 | 15 | 13 | 17 | Offline | 14 | 3.3 | 55.0 | 91.4 | 63.0 | 997.5 | 0.0 |
| | 15:30 | 14 | 13 | 18 | Offline | 0 | 3.4 | 35.0 | 92.1 | 61.0 | 997.4 | 0.0 |
| | 15:45 | 15 | 13 | 17 | Offline | 0 | 2.6 | 43.0 | 92.5 | 61.0 | 997.3 | 0.0 |
| | 16:00 | 14 | 13 | 17 | 0 | 0 | 2.6 | 45.0 | 92.5 | 60.0 | 997.4 | 0.0 |
| | 16:15 | 14 | 12 | 17 | 0 | 0 | 2.7 | 29.0 | 92.5 | 61.0 | 997.4 | 0.0 |
| | 16:30 | 14 | 13 | 18 | 8 | 13 | 2.8 | 48.0 | 91.9 | 61.0 | 997.4 | 0.0 |
| | 16:45 | 0 | 12 | 18 | 17 | 17 | 2.5 | 61.0 | 91.8 | 62.0 | 997.4 | 0.0 |
| | 17:00 | 6 | 13 | 17 | 19 | 19 | 2.7 | 46.0 | 91.4 | 63.0 | 997.5 | 0.0 |
| | 17:15 | 14 | 13 | Offline | 18 | 18 | 2.4 | 44.0 | 91.0 | 63.0 | 997.5 | 0.0 |
| | 17:30 | 14 | 12 | 0 | 19 | 19 | 2.9 | 48.0 | 91.2 | 63.0 | 997.5 | 0.0 |
| | 17:45 | 15 | 13 | 6 | 19 | 18 | 2.4 | 53.0 | 90.3 | 64.0 | 997.6 | 0.0 |
| | 18:00 | 0 | 13 | 15 | 19 | 18 | 1.8 | 47.0 | 89.8 | 65.0 | 997.6 | 0.0 |
| | 18:15 | 2 | 14 | 16 | 11 | 16 | 1.9 | 46.0 | 89.4 | 66.0 | 997.6 | 0.0 |
| | 18:30 | 13 | 14 | 17 | 16 | 15 | 1.9 | 60.0 | 89.2 | 67.0 | 997.6 | 0.0 |
| | 18:45 | 16 | 13 | 17 | 16 | 17 | 1.0 | 16.0 | 88.7 | 67.0 | 997.5 | 0.0 |
| | 19:00 | 14 | 13 | 15 | 17 | 16 | 1.3 | 33.0 | 88.3 | 68.0 | 997.5 | 0.0 |
| | 19:15 | 13 | 12 | 16 | 14 | 15 | 0.9 | 11.0 | 87.8 | 71.0 | 997.5 | 0.0 |
| | 19:30 | 15 | 13 | 16 | 15 | 16 | 1.6 | 40.0 | 86.9 | 73.0 | 997.5 | 0.0 |
| | 19:45 | 15 | 13 | 16 | 16 | 16 | 1.4 | 16.0 | 86.2 | 75.0 | 997.6 | 0.0 |
| | 20:00 | 14 | 13 | 16 | 16 | 16 | 1.5 | 14.0 | 85.5 | 76.0 | 997.6 | 0.0 |
| | 20:15 | 14 | 12 | 16 | 15 | 16 | 0.9 | 358.0 | 84.9 | 77.0 | 997.6 | 0.0 |
| | 20:30 | 14 | 12 | 16 | 15 | 16 | 1.2 | 13.0 | 84.2 | 78.0 | 997.7 | 0.0 |
| | 20:45 | 15 | 12 | 15 | 15 | 16 | 1.5 | 18.0 | 83.7 | 79.0 | 998.0 | 0.0 |
| | 21:00 | 15 | 12 | 15 | 14 | 15 | 1.4 | 20.0 | 83.5 | 80.0 | 998.0 | 0.0 |
| | 21:15 | 13 | 11 | 15 | 14 | 15 | 1.8 | 26.0 | 82.9 | 80.0 | 998.1 | 0.0 |
| | 21:30 | 13 | 12 | 15 | 14 | 15 | 1.1 | 15.0 | 82.8 | 81.0 | 998.2 | 0.0 |
| | 21:45 | 13 | 11 | 14 | 14 | 14 | 1.4 | 28.0 | 82.6 | 81.0 | 998.3 | 0.0 |
| | 22:00 | 13 | 11 | 14 | 14 | 15 | 1.6 | 32.0 | 82.4 | 81.0 | 998.5 | 0.0 |
| | 22:15 | 13 | 11 | 14 | 14 | 14 | 1.5 | 17.0 | 82.2 | 81.0 | 998.6 | 0.0 |
| | 22:30 | 12 | 10 | 13 | 13 | 14 | 1.6 | 25.0 | 82.0 | 80.0 | 998.6 | 0.0 |
| | 22:45 | 11 | 10 | 13 | 12 | 13 | 1.6 | 52.0 | 81.9 | 80.0 | 998.7 | 0.0 |
| | 23:00 | 11 | 10 | 12 | 12 | 13 | 1.4 | 46.0 | 81.7 | 80.0 | 998.7 | 0.0 |
| | 23:15 | 11 | 10 | 12 | 12 | 12 | 2.0 | 54.0 | 81.7 | 80.0 | 998.6 | 0.0 |
| | 23:30 | 11 | 9 | 12 | 12 | 12 | 1.9 | 48.0 | 81.3 | 80.0 | 998.6 | 0.0 |
| | 23:45 | 10 | 10 | 12 | 12 | 13 | 1.5 | 44.0 | 80.8 | 81.0 | 998.6 | 0.0 |
| | 00:00 | 11 | 9 | 12 | 11 | 12 | 1.8 | 51.0 | 80.6 | 82.0 | 998.5 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/22/2023 | 00:15 | 8 | 10 | 12 | 11 | 11 | 1.9 | 53.0 | 80.4 | 82.0 | 998.5 | 0.0 |
| | 00:30 | 7 | 10 | 12 | 12 | 12 | 2.3 | 61.0 | 80.1 | 83.0 | 998.5 | 0.0 |
| | 00:45 | 6 | 10 | 12 | 12 | 13 | 2.0 | 43.0 | 79.7 | 83.0 | 998.5 | 0.0 |
| | 01:00 | 6 | 10 | 13 | 12 | 13 | 1.6 | 34.0 | 79.3 | 84.0 | 998.4 | 0.0 |
| | 01:15 | 7 | 10 | 13 | 11 | 13 | 1.1 | 34.0 | 79.0 | 85.0 | 998.4 | 0.0 |
| | 01:30 | 7 | 10 | 13 | 12 | 13 | 0.8 | 8.0 | 78.4 | 85.0 | 998.4 | 0.0 |
| | 01:45 | 7 | 10 | 13 | 12 | 13 | 1.0 | 355.0 | 77.9 | 86.0 | 998.3 | 0.0 |
| | 02:00 | 7 | 11 | 14 | 13 | 13 | 0.8 | 360.0 | 77.5 | 87.0 | 998.3 | 0.0 |
| | 02:15 | 9 | 12 | 15 | 14 | 14 | 0.7 | 23.0 | 77.2 | 87.0 | 998.3 | 0.0 |
| | 02:30 | 11 | 13 | 16 | 15 | 16 | 1.0 | 16.0 | 76.8 | 88.0 | 998.3 | 0.0 |
| | 02:45 | 10 | 14 | 17 | 16 | 17 | 1.0 | 13.0 | 76.6 | 88.0 | 998.3 | 0.0 |
| | 03:00 | 11 | 15 | 18 | 17 | 18 | 1.2 | 39.0 | 76.5 | 88.0 | 998.3 | 0.0 |
| | 03:15 | 14 | 16 | 19 | 19 | 20 | 1.3 | 38.0 | 76.1 | 88.0 | 998.2 | 0.0 |
| | 03:30 | 15 | 17 | 21 | 18 | 20 | 1.3 | 57.0 | 75.7 | 88.0 | 998.3 | 0.0 |
| | 03:45 | 15 | 18 | 23 | 21 | 21 | 1.5 | 50.0 | 75.4 | 88.0 | 998.4 | 0.0 |
| | 04:00 | 16 | 18 | 22 | 20 | 22 | 2.0 | 54.0 | 75.2 | 88.0 | 998.4 | 0.0 |
| | 04:15 | 17 | 19 | 23 | 21 | 23 | 2.1 | 53.0 | 74.8 | 88.0 | 998.5 | 0.0 |
| | 04:30 | 17 | 19 | 23 | 22 | 23 | 1.7 | 58.0 | 74.7 | 88.0 | 998.6 | 0.0 |
| | 04:45 | 16 | 19 | 23 | 21 | 24 | 1.6 | 47.0 | 74.3 | 89.0 | 998.7 | 0.0 |
| | 05:00 | 18 | 20 | 24 | 22 | 23 | 1.5 | 39.0 | 74.1 | 89.0 | 998.7 | 0.0 |
| | 05:15 | 18 | 20 | 24 | 22 | 23 | 2.0 | 39.0 | 73.9 | 89.0 | 998.7 | 0.0 |
| | 05:30 | 17 | 20 | 24 | 22 | 23 | 2.0 | 65.0 | 73.8 | 89.0 | 998.7 | 0.0 |
| | 05:45 | 17 | 20 | 24 | 22 | 24 | 2.2 | 55.0 | 73.8 | 89.0 | 998.7 | 0.0 |
| | 06:00 | 19 | 20 | 24 | 22 | 23 | 2.3 | 46.0 | 73.6 | 89.0 | 998.8 | 0.0 |
| | 06:15 | 18 | 20 | 24 | 23 | 24 | 1.8 | 49.0 | 73.8 | 88.0 | 998.9 | 0.0 |
| | 06:30 | 17 | 20 | 24 | 22 | 24 | 1.3 | 48.0 | 73.8 | 88.0 | 999.0 | 0.0 |
| | 06:45 | 18 | 20 | 24 | 22 | 24 | 1.8 | 44.0 | 73.8 | 88.0 | 999.1 | 0.0 |
| | 07:00 | 18 | 20 | 25 | 23 | 23 | 1.4 | 45.0 | 73.8 | 88.0 | 999.2 | 0.0 |
| | 07:15 | 17 | 20 | 24 | 22 | 24 | 1.9 | 64.0 | 73.9 | 88.0 | 999.3 | 0.0 |
| | 07:30 | 18 | 20 | 24 | 22 | 24 | 2.2 | 56.0 | 74.1 | 88.0 | 999.3 | 0.0 |
| | 07:45 | 18 | 19 | 23 | 23 | 24 | 1.8 | 71.0 | 74.8 | 87.0 | 999.3 | 0.0 |
| | 08:00 | 16 | 19 | 22 | 21 | 22 | 1.7 | 105.0 | 76.6 | 84.0 | 999.3 | 0.0 |
| | 08:15 | 16 | 19 | 21 | 22 | 22 | 2.1 | 59.0 | 78.3 | 81.0 | 999.3 | 0.0 |
| | 08:30 | 16 | 19 | 21 | 22 | 22 | 1.9 | 70.0 | 78.6 | 81.0 | 999.3 | 0.0 |
| | 08:45 | 14 | 17 | 19 | 26 | 28 | 1.6 | 68.0 | 79.0 | 82.0 | 999.3 | 0.0 |
| | 09:00 | 13 | 17 | 20 | 21 | 20 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 09:15 | 13 | Offline | 19 | 19 | 19 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 09:30 | 13 | Offline | 18 | 17 | 19 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 09:45 | 13 | Offline | 18 | 19 | 20 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 10:00 | 13 | Offline | 19 | 19 | 20 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 10:15 | 13 | 60 | 18 | 19 | 19 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 10:30 | 14 | 5 | 17 | 19 | 18 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 10:45 | 15 | 17 | 18 | 18 | 18 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 11:00 | 14 | 16 | 18 | 19 | 20 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 11:15 | 16 | 16 | 19 | 19 | 19 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 11:30 | 0 | 16 | 20 | 23 | 24 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 11:45 | Offline | 16 | 20 | 21 | 21 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 12:00 | Offline | 17 | 20 | 21 | 21 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 12:15 | 12 | 17 | 20 | 20 | 21 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 12:30 | 0 | 16 | 19 | 19 | 19 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 12:45 | 14 | 16 | 19 | 18 | 18 | Offline | Offline | Offline | Offline | Offline | Offline |
| | 13:00 | 15 | 16 | 18 | 18 | 18 | Offline | 0.0 | Offline | 57.0 | Offline | 0.0 |
| | 13:15 | 14 | 16 | 18 | 18 | 18 | 1.2 | 79.7 | 94.0 | 58.0 | 997.4 | 0.0 |
| | 13:30 | 14 | 16 | 17 | 17 | 17 | 0.9 | 220.2 | 94.1 | 58.0 | 997.3 | 0.0 |
| | 13:45 | 14 | 16 | 17 | 17 | 18 | 0.9 | 72.5 | 94.1 | 58.0 | 997.2 | 0.0 |
| | 14:00 | 14 | 15 | 17 | 17 | 18 | 0.9 | 38.1 | 93.1 | 61.0 | 997.2 | 0.0 |
| | 14:15 | 16 | 15 | 17 | 18 | 19 | 0.8 | 304.7 | 93.7 | 58.0 | 997.1 | 0.0 |
| | 14:30 | 15 | 16 | 18 | 18 | 19 | 1.0 | 35.0 | 94.3 | 58.0 | 997.0 | 0.0 |
| | 14:45 | 14 | 15 | 17 | 18 | 18 | 1.0 | 243.7 | 94.7 | 56.0 | 996.9 | 0.0 |
| | 15:00 | 14 | 15 | 16 | 17 | 17 | 1.2 | 239.8 | 94.2 | 57.0 | 996.7 | 0.0 |
| | 15:15 | 14 | 15 | 17 | 17 | 18 | 0.9 | 248.2 | 93.3 | 61.0 | 996.6 | 0.0 |
| | 15:30 | 15 | 15 | 18 | 18 | 18 | 0.7 | 232.5 | 94.9 | 55.0 | 996.5 | 0.0 |
| | 15:45 | 15 | 15 | 17 | 18 | 18 | 0.9 | 234.9 | 95.6 | 53.0 | 996.5 | 0.0 |
| | 16:00 | 15 | 16 | 16 | 17 | 17 | 1.1 | 277.0 | 96.4 | 52.0 | 996.3 | 0.0 |
| | 16:15 | 14 | 18 | 16 | 16 | 17 | 0.8 | 257.6 | 96.9 | 55.0 | 996.3 | 0.0 |
| | 16:30 | 14 | 19 | 15 | 16 | 16 | 0.9 | 279.1 | 96.7 | 52.0 | 996.2 | 0.0 |
| | 16:45 | 14 | 20 | 15 | 16 | 17 | 0.8 | 248.5 | 96.9 | 52.0 | 996.1 | 0.0 |
| | 17:00 | 15 | 19 | 15 | 18 | 18 | 0.7 | 244.8 | 96.3 | 55.0 | 996.1 | 0.0 |
| | 17:15 | 17 | 18 | 15 | 18 | 19 | 0.5 | 286.0 | 97.0 | 51.0 | 995.9 | 0.0 |
| | 17:30 | 16 | 17 | 15 | 18 | 18 | 0.6 | 268.8 | 97.2 | 56.0 | 995.8 | 0.0 |
| | 17:45 | 15 | 17 | 16 | 19 | 19 | 0.7 | 268.3 | 95.0 | 57.0 | 995.6 | 0.0 |
| | 18:00 | 15 | 16 | 16 | 20 | 20 | 0.5 | 254.3 | 93.8 | 60.0 | 995.5 | 0.0 |
| | 18:15 | 16 | 16 | 16 | 20 | 20 | 0.6 | 244.4 | 92.0 | 67.0 | 995.5 | 0.0 |
| | 18:30 | 14 | 16 | 17 | 18 | 18 | 0.5 | 249.6 | 90.5 | 70.0 | 995.4 | 0.0 |
| | 18:45 | 15 | 16 | 17 | 17 | 17 | 0.5 | 236.1 | 89.4 | 72.0 | 995.4 | 0.0 |
| | 19:00 | 14 | 16 | 18 | 16 | 16 | 0.5 | 263.2 | 88.8 | 74.0 | 995.4 | 0.0 |
| | 19:15 | 14 | 16 | 19 | 16 | 26 | 0.5 | 253.9 | 88.0 | 75.0 | 995.4 | 0.0 |
| | 19:30 | 13 | 16 | 20 | 16 | 27 | 0.4 | 247.9 | 87.0 | 77.0 | 995.4 | 0.0 |
| | 19:45 | 13 | 16 | 18 | 16 | 27 | 0.4 | 270.0 | 86.1 | 79.0 | 995.4 | 0.0 |
| | 20:00 | 13 | 15 | 17 | 15 | 27 | 0.4 | 261.5 | 85.5 | 81.0 | 995.5 | 0.0 |
| | 20:15 | 13 | 16 | 17 | 15 | 27 | 0.4 | 256.8 | 85.0 | 82.0 | 995.6 | 0.0 |
| | 20:30 | 13 | 16 | 17 | 14 | 27 | 0.3 | 267.3 | 84.4 | 84.0 | 995.6 | 0.0 |
| | 20:45 | 13 | 16 | 17 | 15 | 26 | 0.4 | 273.6 | 83.9 | 85.0 | 995.7 | 0.0 |
| | 21:00 | 13 | 16 | 16 | 15 | 27 | 0.4 | 264.9 | 83.5 | 86.0 | 995.7 | 0.0 |
| | 21:15 | 13 | 16 | 16 | 14 | 26 | 0.3 | 252.9 | 83.1 | 87.0 | 995.7 | 0.0 |
| | 21:30 | 13 | 15 | 16 | 14 | 27 | 0.3 | 237.0 | 82.7 | 88.0 | 995.8 | 0.0 |
| | 21:45 | 13 | 16 | 16 | 15 | 27 | 0.3 | 251.3 | 82.3 | 89.0 | 995.8 | 0.0 |
| | 22:00 | 13 | 24 | 16 | 15 | 27 | 0.3 | 243.4 | 81.9 | 90.0 | 995.9 | 0.0 |
| | 22:15 | 13 | 24 | 16 | 14 | 26 | 0.3 | 321.8 | 81.5 | 91.0 | 995.8 | 0.0 |
| | 22:30 | 13 | 22 | 16 | 14 | 26 | 0.3 | 276.9 | 81.1 | 91.0 | 995.8 | 0.0 |
| | 22:45 | 13 | 22 | 16 | 15 | 25 | 0.3 | 258.8 | 80.8 | 91.0 | 995.8 | 0.0 |
| | 23:00 | 13 | 21 | 16 | 15 | 24 | 0.3 | 255.2 | 80.3 | 92.0 | 995.9 | 0.0 |
| | 23:15 | 13 | 21 | 16 | 14 | 23 | 0.4 | 226.3 | 80.1 | 93.0 | 995.8 | 0.0 |
| | 23:30 | 13 | 21 | 15 | 15 | 23 | 0.3 | 195.9 | 79.9 | 93.0 | 995.8 | 0.0 |
| | 23:45 | 13 | 21 | 16 | 15 | 23 | 0.2 | 169.4 | 79.6 | 94.0 | 995.8 | 0.0 |
| | 00:00 | 13 | 20 | 16 | 14 | 23 | 0.2 | 193.6 | 79.4 | 94.0 | 995.8 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/30/2023 | 00:15 | 7 | 9 | 10 | 10 | 7 | 0.4 | 298.5 | 67.9 | 91.0 | 991.2 | 0.0 |
| | 00:30 | 7 | 9 | 10 | 9 | 7 | 0.5 | 322.3 | 67.8 | 89.0 | 991.4 | 0.0 |
| | 00:45 | 8 | 10 | 10 | 9 | 7 | 1.1 | 354.0 | 68.5 | 86.0 | 991.6 | 0.0 |
| | 01:00 | 9 | 10 | 11 | 10 | 9 | 1.4 | 8.4 | 68.4 | 87.0 | 991.7 | 0.0 |
| | 01:15 | 9 | 11 | 12 | 11 | 11 | 1.4 | 23.8 | 67.9 | 89.0 | 991.7 | 0.0 |
| | 01:30 | 10 | 12 | 13 | 12 | 10 | 1.5 | 39.4 | 67.6 | 88.0 | 991.8 | 0.0 |
| | 01:45 | 10 | 11 | 12 | 11 | 10 | 1.4 | 41.6 | 67.7 | 87.0 | 991.9 | 0.0 |
| | 02:00 | 9 | 11 | 12 | 11 | 10 | 1.8 | 51.2 | 67.8 | 84.0 | 991.8 | 0.0 |
| | 02:15 | 9 | 11 | 11 | 10 | 10 | 1.6 | 37.7 | 67.6 | 84.0 | 991.8 | 0.0 |
| | 02:30 | 8 | 10 | 10 | 10 | 10 | 1.6 | 36.1 | 67.3 | 84.0 | 991.8 | 0.0 |
| | 02:45 | 8 | 10 | 10 | 10 | 10 | 1.9 | 39.2 | 66.9 | 84.0 | 991.8 | 0.0 |
| | 03:00 | 8 | 9 | 10 | 9 | 9 | 1.9 | 35.9 | 66.6 | 84.0 | 991.9 | 0.0 |
| | 03:15 | 8 | 9 | 9 | 8 | 10 | 1.8 | 31.9 | 66.2 | 84.0 | 992.0 | 0.0 |
| | 03:30 | 7 | 8 | 9 | 8 | 10 | 1.5 | 23.7 | 65.6 | 85.0 | 992.1 | 0.0 |
| | 03:45 | 7 | 8 | 9 | 8 | 9 | 1.7 | 33.8 | 65.3 | 84.0 | 992.1 | 0.0 |
| | 04:00 | 7 | 7 | 8 | 8 | 9 | 1.6 | 41.1 | 65.1 | 85.0 | 992.3 | 0.0 |
| | 04:15 | 6 | 7 | 7 | 7 | 10 | 1.5 | 34.2 | 64.6 | 85.0 | 992.4 | 0.0 |
| | 04:30 | 6 | 7 | 7 | 7 | 10 | 1.6 | 39.6 | 64.1 | 86.0 | 992.5 | 0.0 |
| | 04:45 | 6 | 6 | 7 | 6 | 10 | 1.4 | 36.4 | 63.8 | 86.0 | 992.7 | 0.0 |
| | 05:00 | 5 | 6 | 7 | 6 | 10 | 1.5 | 31.6 | 63.5 | 88.0 | 992.7 | 0.0 |
| | 05:15 | 5 | 6 | 6 | 6 | 9 | 1.5 | 29.1 | 63.3 | 87.0 | 992.8 | 0.0 |
| | 05:30 | 5 | 6 | 6 | 6 | 10 | 1.3 | 24.0 | 62.9 | 87.0 | 993.0 | 0.0 |
| | 05:45 | 5 | 5 | 6 | 5 | 10 | 1.2 | 30.5 | 62.5 | 87.0 | 993.1 | 0.0 |
| | 06:00 | 5 | 5 | 6 | 5 | 11 | 1.2 | 31.8 | 62.0 | 89.0 | 993.2 | 0.0 |
| | 06:15 | 5 | 5 | 6 | 5 | 12 | 1.1 | 28.7 | 61.7 | 90.0 | 993.4 | 0.0 |
| | 06:30 | 5 | 5 | 6 | 5 | 12 | 1.2 | 25.9 | 61.5 | 90.0 | 993.5 | 0.0 |
| | 06:45 | 5 | 5 | 6 | 5 | 12 | 1.4 | 30.4 | 61.9 | 87.0 | 993.8 | 0.0 |
| | 07:00 | 4 | 5 | 8 | 5 | 11 | 1.6 | 38.1 | 62.7 | 83.0 | 993.9 | 0.0 |
| | 07:15 | 3 | 4 | 4 | 4 | 11 | 1.6 | 33.4 | 63.8 | 83.0 | 994.0 | 0.0 |
| | 07:30 | 3 | 3 | 6 | 4 | 10 | 1.6 | 38.9 | 64.6 | 81.0 | 994.2 | 0.0 |
| | 07:45 | 3 | 4 | 7 | 4 | 10 | 1.7 | 29.4 | 65.3 | 80.0 | 994.3 | 0.0 |
| | 08:00 | 3 | 8 | 5 | 4 | 9 | 1.7 | 26.5 | 66.0 | 79.0 | 994.3 | 0.0 |
| | 08:15 | 3 | 4 | 4 | 4 | 9 | 1.5 | 19.7 | 67.0 | 78.0 | 994.4 | 0.0 |
| | 08:30 | 3 | 3 | 4 | 5 | 9 | 2.1 | 31.5 | 66.9 | 77.0 | 994.5 | 0.0 |
| | 08:45 | 1 | 2 | 3 | 1 | 9 | 1.9 | 36.8 | 67.9 | 75.0 | 994.6 | 0.0 |
| | 09:00 | 2 | 2 | 1 | 3 | 8 | 2.2 | 41.7 | 68.6 | 73.0 | 994.7 | 0.0 |
| | 09:15 | 2 | 3 | 3 | 4 | 7 | 2.2 | 37.1 | 69.5 | 70.0 | 994.8 | 0.0 |
| | 09:30 | 2 | 3 | 3 | 4 | 7 | 2.5 | 44.6 | 69.6 | 69.0 | 994.7 | 0.0 |
| | 09:45 | 2 | 2 | 3 | 4 | 7 | 2.0 | 39.8 | 70.8 | 66.0 | 994.8 | 0.0 |
| | 10:00 | 2 | 3 | 3 | 4 | 6 | 2.5 | 54.8 | 71.2 | 64.0 | 995.0 | 0.0 |
| | 10:15 | 3 | 3 | 3 | 4 | 6 | 2.0 | 37.5 | 72.5 | 63.0 | 995.1 | 0.0 |
| | 10:30 | 3 | 3 | 4 | 5 | 6 | 1.9 | 16.9 | 73.2 | 63.0 | 995.2 | 0.0 |
| | 10:45 | 2 | 3 | 3 | 4 | 6 | 1.8 | 13.0 | 73.4 | 64.0 | 995.2 | 0.0 |
| | 11:00 | 2 | 3 | 3 | 4 | 5 | 1.4 | 0.6 | 75.2 | 58.0 | 995.2 | 0.0 |
| | 11:15 | 3 | 3 | 3 | 5 | 5 | 2.4 | 33.3 | 74.6 | 59.0 | 995.2 | 0.0 |
| | 11:30 | 2 | 3 | 4 | 4 | 5 | 1.9 | 10.6 | 73.7 | 59.0 | 995.3 | 0.0 |
| | 11:45 | 2 | 3 | 4 | 5 | 5 | 1.8 | 3.5 | 75.8 | 54.0 | 995.3 | 0.0 |
| | 12:00 | 2 | 3 | 4 | 5 | 5 | 1.7 | 1.3 | 74.3 | 57.0 | 995.1 | 0.0 |
| | 12:15 | 2 | 4 | 4 | 5 | 4 | 1.9 | 13.8 | 74.8 | 53.0 | 995.0 | 0.0 |
| | 12:30 | 3 | 4 | 4 | 6 | 4 | 1.8 | 3.9 | 76.4 | 52.0 | 994.8 | 0.0 |
| | 12:45 | 3 | 5 | 5 | 6 | 4 | 2.0 | 16.1 | 75.6 | 53.0 | 994.7 | 0.0 |
| | 13:00 | 3 | 5 | 6 | 7 | 4 | 1.6 | 10.0 | 76.5 | 50.0 | 994.6 | 0.0 |
| | 13:15 | 3 | 5 | 5 | 6 | 4 | 2.2 | 20.0 | 76.4 | 51.0 | 994.5 | 0.0 |
| | 13:30 | 3 | 4 | 5 | 7 | 4 | 1.8 | 10.6 | 77.1 | 50.0 | 994.3 | 0.0 |
| | 13:45 | 3 | 5 | 5 | 5 | 2 | 1.8 | 8.2 | 76.2 | 50.0 | 994.2 | 0.0 |
| | 14:00 | 3 | 6 | 8 | 8 | 3 | 1.4 | 349.4 | 77.6 | 47.0 | 994.1 | 0.0 |
| | 14:15 | 2 | 4 | 6 | 5 | 4 | 1.8 | 11.5 | 76.7 | 50.0 | 994.0 | 0.0 |
| | 14:30 | 2 | 4 | 4 | 4 | 3 | 1.9 | 4.4 | 77.1 | 47.0 | 993.9 | 0.0 |
| | 14:45 | 2 | 3 | 4 | 4 | 3 | 1.7 | 359.1 | 77.6 | 47.0 | 993.8 | 0.0 |
| | 15:00 | 1 | 3 | 3 | 4 | 4 | 2.1 | 8.8 | 76.5 | 49.0 | 993.7 | 0.0 |
| | 15:15 | 3 | 3 | 3 | 4 | 3 | 1.5 | 348.6 | 77.0 | 48.0 | 993.4 | 0.0 |
| | 15:30 | 1 | 3 | 3 | 4 | 4 | 1.5 | 345.5 | 78.1 | 46.0 | 993.3 | 0.0 |
| | 15:45 | 1 | 3 | 3 | 4 | 4 | 1.5 | 3.3 | 77.6 | 46.0 | 993.2 | 0.0 |
| | 16:00 | 1 | 3 | 3 | 4 | 4 | 1.8 | 4.4 | 77.1 | 48.0 | 993.2 | 0.0 |
| | 16:15 | 2 | 3 | 3 | 4 | 5 | 1.9 | 8.6 | 76.7 | 45.0 | 993.1 | 0.0 |
| | 16:30 | 2 | 3 | 3 | 4 | 4 | 1.3 | 344.9 | 77.1 | 47.0 | 993.1 | 0.0 |
| | 16:45 | 1 | 3 | 2 | 4 | 5 | 1.8 | 1.7 | 76.8 | 47.0 | 993.2 | 0.0 |
| | 17:00 | 2 | 2 | 2 | 3 | 4 | 1.8 | 17.8 | 76.1 | 47.0 | 993.2 | 0.0 |
| | 17:15 | 2 | 2 | 2 | 3 | 4 | 1.6 | 352.5 | 75.7 | 45.0 | 993.0 | 0.0 |
| | 17:30 | 1 | 2 | 2 | 3 | 5 | 1.3 | 357.6 | 75.8 | 46.0 | 993.0 | 0.0 |
| | 17:45 | 1 | 2 | 2 | 3 | 6 | 1.7 | 353.5 | 74.4 | 49.0 | 992.9 | 0.0 |
| | 18:00 | 1 | 2 | 2 | 3 | 6 | 1.6 | 5.4 | 73.5 | 51.0 | 993.0 | 0.0 |
| | 18:15 | 1 | 2 | 2 | 3 | 6 | 1.2 | 351.6 | 73.1 | 53.0 | 992.9 | 0.0 |
| | 18:30 | 1 | 2 | 2 | 2 | 7 | 1.0 | 10.3 | 72.6 | 55.0 | 992.9 | 0.0 |
| | 18:45 | 9 | 6 | 3 | 6 | 5 | 1.1 | 20.9 | 71.9 | 57.0 | 992.9 | 0.0 |
| | 19:00 | 2 | 2 | 2 | 3 | 7 | 1.1 | 27.3 | 71.1 | 59.0 | 992.9 | 0.0 |
| | 19:15 | 2 | 2 | 3 | 3 | 5 | 1.3 | 27.4 | 70.2 | 60.0 | 992.9 | 0.0 |
| | 19:30 | 2 | 2 | 3 | 3 | 4 | 1.0 | 25.3 | 69.4 | 63.0 | 993.0 | 0.0 |
| | 19:45 | 3 | 3 | 3 | 3 | 4 | 1.1 | 29.3 | 68.5 | 65.0 | 993.1 | 0.0 |
| | 20:00 | 3 | 3 | 3 | 3 | 4 | 1.0 | 20.9 | 67.6 | 66.0 | 993.3 | 0.0 |
| | 20:15 | 3 | 3 | 3 | 3 | 4 | 1.0 | 28.3 | 67.1 | 67.0 | 993.4 | 0.0 |
| | 20:30 | 3 | 3 | 3 | 4 | 3 | 1.0 | 43.6 | 66.1 | 70.0 | 993.5 | 0.0 |
| | 20:45 | 3 | 3 | 4 | 3 | 4 | 0.9 | 34.6 | 65.4 | 71.0 | 993.6 | 0.0 |
| | 21:00 | 4 | 4 | 4 | 4 | 3 | 1.3 | 44.3 | 65.0 | 72.0 | 993.8 | 0.0 |
| | 21:15 | 4 | 4 | 5 | 5 | 4 | 1.5 | 38.1 | 64.5 | 71.0 | 993.9 | 0.0 |
| | 21:30 | 5 | 5 | 5 | 5 | 4 | 1.3 | 24.2 | 64.2 | 72.0 | 993.9 | 0.0 |
| | 21:45 | 5 | 5 | 5 | 5 | 3 | 1.7 | 32.2 | 63.8 | 72.0 | 993.9 | 0.0 |
| | 22:00 | 5 | 5 | 5 | 5 | 3 | 1.3 | 26.9 | 63.4 | 73.0 | 994.1 | 0.0 |
| | 22:15 | 5 | 5 | 6 | 5 | 3 | 1.6 | 32.3 | 63.3 | 72.0 | 994.2 | 0.0 |
| | 22:30 | 4 | 4 | 5 | 5 | 3 | 2.0 | 38.7 | 63.2 | 72.0 | 994.2 | 0.0 |
| | 22:45 | 4 | 4 | 4 | 4 | 3 | 1.9 | 40.3 | 62.7 | 73.0 | 994.3 | 0.0 |
| | 23:00 | 3 | 3 | 4 | 3 | 2 | 2.1 | 39.0 | 62.1 | 74.0 | 994.3 | 0.0 |
| | 23:15 | 3 | 3 | 3 | 3 | 2 | 2.0 | 40.6 | 61.5 | 74.0 | 994.4 | 0.0 |
| | 23:30 | 3 | 3 | 3 | 3 | 2 | 1.9 | 34.7 | 60.9 | 76.0 | 994.4 | 0.0 |
| | 23:45 | 2 | 2 | 3 | 3 | 6 | 1.5 | 22.1 | 60.1 | 77.0 | 994.4 | 0.0 |
| | 00:00 | 2 | 2 | 3 | 3 | 2 | 1.7 | 25.5 | 59.3 | 79.0 | 994.4 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 8/31/2023 | 00:15 | 3 | 3 | 3 | 3 | 3 | 1.7 | 37.7 | 58.5 | 80.0 | 994.4 | 0.0 |
| | 00:30 | 2 | 2 | 3 | 2 | 2 | 1.8 | 32.6 | 58.3 | 80.0 | 994.4 | 0.0 |
| | 00:45 | 2 | 2 | 2 | 2 | 3 | 1.9 | 28.8 | 58.3 | 80.0 | 994.5 | 0.0 |
| | 01:00 | 2 | 2 | 2 | 2 | 3 | 1.8 | 32.9 | 57.9 | 81.0 | 994.5 | 0.0 |
| | 01:15 | 1 | 1 | 2 | 1 | 3 | 1.6 | 30.4 | 57.5 | 82.0 | 994.4 | 0.0 |
| | 01:30 | 1 | 1 | 2 | 1 | 3 | 1.5 | 39.6 | 57.2 | 82.0 | 994.5 | 0.0 |
| | 01:45 | 1 | 1 | 2 | 1 | 3 | 1.3 | 36.5 | 56.8 | 84.0 | 994.6 | 0.0 |
| | 02:00 | 1 | 1 | 2 | 1 | 4 | 0.9 | 18.4 | 56.4 | 85.0 | 994.6 | 0.0 |
| | 02:15 | 1 | 1 | 2 | 1 | 4 | 0.7 | 8.9 | 55.8 | 86.0 | 994.6 | 0.0 |
| | 02:30 | 2 | 1 | 2 | 2 | 5 | 0.9 | 24.8 | 55.3 | 87.0 | 994.6 | 0.0 |
| | 02:45 | 2 | 1 | 2 | 1 | 5 | 1.0 | 16.9 | 54.9 | 87.0 | 994.6 | 0.0 |
| | 03:00 | 2 | 1 | 2 | 1 | 5 | 1.2 | 20.3 | 54.5 | 88.0 | 994.5 | 0.0 |
| | 03:15 | 2 | 1 | 2 | 2 | 5 | 1.1 | 24.9 | 54.3 | 89.0 | 994.4 | 0.0 |
| | 03:30 | 1 | 1 | 1 | 1 | 4 | 0.9 | 13.9 | 54.1 | 89.0 | 994.4 | 0.0 |
| | 03:45 | 1 | 1 | 1 | 1 | 4 | 0.7 | 35.3 | 53.8 | 90.0 | 994.5 | 0.0 |
| | 04:00 | 1 | 1 | 1 | 1 | 3 | 0.9 | 22.2 | 53.9 | 90.0 | 994.6 | 0.0 |
| | 04:15 | 1 | 1 | 1 | 1 | 3 | 0.8 | 10.4 | 54.0 | 90.0 | 994.8 | 0.0 |
| | 04:30 | 1 | 1 | 1 | 1 | 3 | 0.7 | 12.5 | 53.8 | 90.0 | 994.9 | 0.0 |
| | 04:45 | 1 | 1 | 1 | 1 | 2 | 0.7 | 11.0 | 53.4 | 91.0 | 995.0 | 0.0 |
| | 05:00 | 1 | 1 | 1 | 1 | 2 | 0.7 | 358.2 | 53.1 | 91.0 | 995.1 | 0.0 |
| | 05:15 | 1 | 1 | 1 | 1 | 3 | 0.6 | 348.8 | 52.8 | 92.0 | 995.2 | 0.0 |
| | 05:30 | 1 | 1 | 1 | 1 | 3 | 0.6 | 353.2 | 52.6 | 93.0 | 995.2 | 0.0 |
| | 05:45 | 1 | 2 | 2 | 1 | 2 | 0.5 | 321.3 | 52.2 | 93.0 | 995.4 | 0.0 |
| | 06:00 | 2 | 2 | 2 | 2 | 1 | 0.6 | 309.4 | 51.8 | 93.0 | 995.6 | 0.0 |
| | 06:15 | 2 | 2 | 3 | 2 | 1 | 0.6 | 319.2 | 51.4 | 93.0 | 995.7 | 0.0 |
| | 06:30 | 2 | 2 | 2 | 2 | 1 | 0.7 | 325.5 | 51.1 | 93.0 | 995.7 | 0.0 |
| | 06:45 | 2 | 2 | 2 | 2 | 1 | 0.6 | 330.5 | 51.7 | 93.0 | 996.0 | 0.0 |
| | 07:00 | 2 | 2 | 2 | 2 | 1 | 0.7 | 355.2 | 53.3 | 90.0 | 996.1 | 0.0 |
| | 07:15 | 2 | 2 | 2 | 2 | 1 | 1.0 | 26.1 | 54.6 | 87.0 | 996.3 | 0.0 |
| | 07:30 | 2 | 2 | 2 | 2 | 1 | 1.2 | 38.7 | 55.6 | 85.0 | 996.3 | 0.0 |
| | 07:45 | 2 | 2 | 2 | 2 | 1 | 1.4 | 42.4 | 56.6 | 84.0 | 996.4 | 0.0 |
| | 08:00 | 2 | 3 | 2 | 3 | 1 | 1.6 | 50.0 | 57.6 | 82.0 | 996.4 | 0.0 |
| | 08:15 | 4 | 4 | 3 | 5 | 1 | 1.7 | 52.1 | 58.3 | 82.0 | 996.5 | 0.0 |
| | 08:30 | 3 | 2 | 2 | 3 | 1 | 1.3 | 41.1 | 59.3 | 81.0 | 996.7 | 0.0 |
| | 08:45 | 1 | 3 | 2 | 3 | 1 | 1.2 | 42.8 | 61.8 | 77.0 | 996.8 | 0.0 |
| | 09:00 | 2 | 2 | 2 | 3 | 1 | 1.3 | 62.9 | 63.2 | 76.0 | 996.8 | 0.0 |
| | 09:15 | 2 | 3 | 3 | 2 | 1 | 1.1 | 97.7 | 64.6 | 73.0 | 996.9 | 0.0 |
| | 09:30 | 1 | 2 | 2 | 2 | 1 | 1.3 | 68.6 | 65.6 | 72.0 | 996.9 | 0.0 |
| | 09:45 | 1 | 2 | 2 | 2 | 1 | 1.4 | 105.0 | 66.6 | 72.0 | 996.9 | 0.0 |
| | 10:00 | 2 | 2 | 2 | 3 | 1 | 1.7 | 67.9 | 67.3 | 70.0 | 997.0 | 0.0 |
| | 10:15 | 6 | 2 | 2 | 3 | 1 | 1.6 | 63.4 | 68.9 | 68.0 | 997.0 | 0.0 |
| | 10:30 | 3 | 2 | 1 | 2 | 1 | 1.6 | 71.8 | 70.4 | 64.0 | 997.1 | 0.0 |
| | 10:45 | 2 | 3 | 2 | 2 | 1 | 1.5 | 97.0 | 70.8 | 59.0 | 997.0 | 0.0 |
| | 11:00 | 1 | 4 | 2 | 2 | 2 | 1.3 | 64.3 | 72.2 | 58.0 | 997.0 | 0.0 |
| | 11:15 | 4 | 6 | 1 | 2 | 2 | 1.3 | 108.3 | 72.5 | 59.0 | 997.1 | 0.0 |
| | 11:30 | 1 | 4 | 2 | 4 | 2 | 1.3 | 84.1 | 73.1 | 57.0 | 997.1 | 0.0 |
| | 11:45 | 11 | 2 | 2 | 6 | 2 | 1.5 | 52.2 | 72.9 | 54.0 | 997.0 | 0.0 |
| | 12:00 | 1 | 3 | 2 | 3 | 2 | 1.3 | 38.6 | 75.5 | 54.0 | 996.9 | 0.0 |
| | 12:15 | 1 | 2 | 2 | 2 | 2 | 1.8 | 53.5 | 74.7 | 54.0 | 996.9 | 0.0 |
| | 12:30 | 1 | 3 | 2 | 2 | 2 | 1.4 | 59.8 | 75.4 | 50.0 | 996.8 | 0.0 |
| | 12:45 | 2 | 2 | 2 | 2 | 2 | 1.1 | 90.3 | 75.9 | 49.0 | 996.7 | 0.0 |
| | 13:00 | 36 | 4 | 2 | 3 | 3 | 1.8 | 49.9 | 75.9 | 47.0 | 996.6 | 0.0 |
| | 13:15 | 0 | 3 | 2 | 3 | 4 | 1.4 | 66.2 | 76.2 | 49.0 | 996.4 | 0.0 |
| | 13:30 | 0 | 2 | 2 | 3 | 3 | 1.8 | 42.0 | 77.0 | 46.0 | 996.3 | 0.0 |
| | 13:45 | 6 | 2 | 2 | 3 | 3 | 1.9 | 66.3 | 76.6 | 45.0 | 996.1 | 0.0 |
| | 14:00 | 5 | 2 | 2 | 3 | 3 | 2.0 | 56.4 | 76.9 | 47.0 | 996.0 | 0.0 |
| | 14:15 | 0 | 2 | 2 | 3 | 2 | 1.4 | 124.2 | 77.8 | 45.0 | 995.9 | 0.0 |
| | 14:30 | 0 | 2 | 1 | 3 | 2 | 1.9 | 62.3 | 77.5 | 46.0 | 995.8 | 0.0 |
| | 14:45 | 2 | 2 | 1 | 3 | 2 | 1.8 | 64.6 | 77.3 | 44.0 | 995.8 | 0.0 |
| | 15:00 | 13 | 2 | 1 | 3 | 2 | 1.7 | 65.6 | 78.3 | 44.0 | 995.7 | 0.0 |
| | 15:15 | 2 | 2 | 1 | 3 | 2 | 2.1 | 40.9 | 78.1 | 45.0 | 995.6 | 0.0 |
| | 15:30 | 0 | 2 | 1 | 2 | 2 | 1.6 | 40.9 | 78.5 | 44.0 | 995.6 | 0.0 |
| | 15:45 | 0 | 2 | 1 | 2 | 2 | 1.9 | 55.7 | 78.1 | 43.0 | 995.6 | 0.0 |
| | 16:00 | 9 | 2 | 1 | 2 | 2 | 1.8 | 58.4 | 78.4 | 42.0 | 995.5 | 0.0 |
| | 16:15 | 0 | 2 | 1 | 3 | 2 | 1.6 | 24.4 | 78.8 | 42.0 | 995.5 | 0.0 |
| | 16:30 | 0 | 2 | 1 | 3 | 4 | 1.7 | 50.8 | 77.6 | 43.0 | 995.4 | 0.0 |
| | 16:45 | 1 | 2 | 1 | 3 | 4 | 2.3 | 56.2 | 77.7 | 43.0 | 995.3 | 0.0 |
| | 17:00 | 0 | 2 | 1 | 3 | 2 | 2.1 | 44.9 | 77.3 | 41.0 | 995.3 | 0.0 |
| | 17:15 | 1 | 2 | 1 | 3 | 2 | 1.9 | 44.3 | 77.3 | 41.0 | 995.2 | 0.0 |
| | 17:30 | 1 | 2 | 2 | 3 | 2 | 1.9 | 40.7 | 77.1 | 41.0 | 995.3 | 0.0 |
| | 17:45 | 2 | 2 | 1 | 3 | 2 | 1.8 | 32.4 | 76.3 | 41.0 | 995.4 | 0.0 |
| | 18:00 | 1 | 3 | 1 | 2 | 3 | 1.8 | 39.2 | 75.4 | 42.0 | 995.4 | 0.0 |
| | 18:15 | 1 | 2 | 2 | 2 | 3 | 1.3 | 43.8 | 74.9 | 45.0 | 995.4 | 0.0 |
| | 18:30 | 1 | 2 | 2 | 2 | 2 | 1.2 | 35.2 | 74.4 | 45.0 | 995.3 | 0.0 |
| | 18:45 | 2 | 3 | 2 | 3 | 3 | 1.1 | 32.6 | 73.7 | 47.0 | 995.3 | 0.0 |
| | 19:00 | 2 | 3 | 3 | 3 | 3 | 1.1 | 40.5 | 72.8 | 49.0 | 995.2 | 0.0 |
| | 19:15 | 3 | 4 | 4 | 4 | 2 | 1.0 | 46.1 | 71.8 | 50.0 | 995.2 | 0.0 |
| | 19:30 | 2 | 3 | 3 | 3 | 2 | 0.8 | 49.7 | 70.6 | 53.0 | 995.3 | 0.0 |
| | 19:45 | 2 | 3 | 3 | 3 | 2 | 0.7 | 53.4 | 69.4 | 53.0 | 995.4 | 0.0 |
| | 20:00 | 3 | 3 | 3 | 3 | 2 | 1.0 | 48.8 | 69.0 | 53.0 | 995.5 | 0.0 |
| | 20:15 | 3 | 3 | 4 | 4 | 2 | 0.8 | 45.1 | 68.3 | 54.0 | 995.7 | 0.0 |
| | 20:30 | 8 | 14 | 3 | 3 | 2 | 0.8 | 50.7 | 67.6 | 55.0 | 995.9 | 0.0 |
| | 20:45 | 7 | 9 | 9 | 5 | 2 | 0.8 | 56.6 | 66.9 | 56.0 | 996.0 | 0.0 |
| | 21:00 | 9 | 12 | 8 | 8 | 2 | 0.8 | 52.6 | 66.5 | 57.0 | 996.2 | 0.0 |
| | 21:15 | 17 | 14 | 5 | 8 | 3 | 0.4 | 39.5 | 65.9 | 59.0 | 996.4 | 0.0 |
| | 21:30 | 5 | 4 | 3 | 3 | 2 | 0.5 | 38.5 | 65.1 | 62.0 | 996.6 | 0.0 |
| | 21:45 | 4 | 4 | 3 | 2 | 2 | 0.5 | 62.5 | 64.3 | 63.0 | 996.6 | 0.0 |
| | 22:00 | 3 | 2 | 3 | 2 | 3 | 0.5 | 55.2 | 63.9 | 65.0 | 996.7 | 0.0 |
| | 22:15 | 2 | 2 | 3 | 2 | 3 | 0.3 | 50.4 | 63.2 | 68.0 | 996.8 | 0.0 |
| | 22:30 | 2 | 3 | 4 | 3 | 3 | 0.3 | 39.2 | 62.5 | 69.0 | 996.9 | 0.0 |
| | 22:45 | 2 | 3 | 3 | 2 | 2 | 0.5 | 50.4 | 61.9 | 71.0 | 997.0 | 0.0 |
| | 23:00 | 2 | 2 | 3 | 2 | 2 | 0.6 | 53.0 | 61.5 | 72.0 | 997.1 | 0.0 |
| | 23:15 | 2 | 2 | 3 | 2 | 2 | 0.6 | 44.3 | 61.1 | 72.0 | 997.1 | 0.0 |
| | 23:30 | 2 | 2 | 3 | 2 | 2 | 0.7 | 43.9 | 60.9 | 72.0 | 997.1 | 0.0 |
| | 23:45 | 2 | 2 | 2 | 2 | 2 | 0.8 | 36.6 | 61.0 | 72.0 | 997.1 | 0.0 |
| | 00:00 | 2 | 2 | 3 | 2 | 3 | 0.7 | 28.6 | 60.9 | 73.0 | 997.2 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/1/2023 | 00:15 | 2 | 2 | 3 | 2 | 4 | 0.7 | 22.6 | 60.3 | 74.0 | 997.2 | 0.0 |
| | 00:30 | 2 | 2 | 3 | 3 | 3 | 0.8 | 22.8 | 59.8 | 75.0 | 997.3 | 0.0 |
| | 00:45 | 2 | 2 | 3 | 3 | 3 | 0.7 | 17.7 | 59.5 | 76.0 | 997.4 | 0.0 |
| | 01:00 | 2 | 2 | 3 | 3 | 3 | 0.5 | 12.4 | 58.9 | 78.0 | 997.5 | 0.0 |
| | 01:15 | 2 | 2 | 3 | 2 | 3 | 0.4 | 29.8 | 58.2 | 80.0 | 997.4 | 0.0 |
| | 01:30 | 2 | 2 | 2 | 2 | 3 | 0.4 | 12.9 | 57.6 | 82.0 | 997.5 | 0.0 |
| | 01:45 | 2 | 2 | 2 | 2 | 5 | 0.5 | 352.0 | 57.2 | 84.0 | 997.5 | 0.0 |
| | 02:00 | 2 | 2 | 2 | 2 | 8 | 0.6 | 353.6 | 56.7 | 85.0 | 997.5 | 0.0 |
| | 02:15 | 2 | 2 | 2 | 3 | 8 | 0.6 | 15.6 | 56.5 | 85.0 | 997.5 | 0.0 |
| | 02:30 | 2 | 2 | 3 | 3 | 2 | 0.6 | 27.8 | 56.3 | 86.0 | 997.5 | 0.0 |
| | 02:45 | 2 | 3 | 3 | 3 | 2 | 0.7 | 23.0 | 56.4 | 86.0 | 997.5 | 0.0 |
| | 03:00 | 2 | 2 | 3 | 3 | 2 | 0.6 | 20.1 | 56.1 | 87.0 | 997.6 | 0.0 |
| | 03:15 | 2 | 2 | 3 | 3 | 2 | 0.4 | 348.4 | 55.8 | 87.0 | 997.6 | 0.0 |
| | 03:30 | 2 | 2 | 3 | 3 | 2 | 0.3 | 25.5 | 55.4 | 89.0 | 997.6 | 0.0 |
| | 03:45 | 2 | 3 | 3 | 3 | 2 | 0.3 | 30.0 | 55.3 | 90.0 | 997.7 | 0.0 |
| | 04:00 | 2 | 2 | 3 | 3 | 2 | 0.4 | 16.4 | 55.1 | 91.0 | 997.7 | 0.0 |
| | 04:15 | 2 | 3 | 3 | 3 | 2 | 0.4 | 25.1 | 55.0 | 91.0 | 997.7 | 0.0 |
| | 04:30 | 2 | 3 | 3 | 3 | 2 | 0.5 | 331.5 | 54.8 | 92.0 | 997.8 | 0.0 |
| | 04:45 | 2 | 3 | 3 | 3 | 2 | 0.4 | 320.9 | 54.5 | 92.0 | 997.8 | 0.0 |
| | 05:00 | 2 | 3 | 3 | 3 | 2 | 0.4 | 324.9 | 54.5 | 93.0 | 997.9 | 0.0 |
| | 05:15 | 2 | 3 | 3 | 3 | 2 | 0.5 | 327.8 | 54.5 | 93.0 | 998.1 | 0.0 |
| | 05:30 | 2 | 3 | 3 | 3 | 2 | 0.5 | 340.5 | 54.4 | 94.0 | 998.2 | 0.0 |
| | 05:45 | 2 | 3 | 3 | 3 | 2 | 0.4 | 28.2 | 54.6 | 93.0 | 998.3 | 0.0 |
| | 06:00 | 2 | 3 | 3 | 3 | 2 | 0.4 | 18.2 | 54.7 | 93.0 | 998.4 | 0.0 |
| | 06:15 | 3 | 3 | 3 | 3 | 2 | 0.4 | 1.9 | 54.5 | 93.0 | 998.6 | 0.0 |
| | 06:30 | 3 | 3 | 3 | 3 | 2 | 0.4 | 22.4 | 54.7 | 93.0 | 998.7 | 0.0 |
| | 06:45 | 2 | 3 | 3 | 3 | 2 | 0.5 | 20.3 | 55.0 | 92.0 | 998.8 | 0.0 |
| | 07:00 | 3 | 3 | 3 | 3 | 2 | 0.8 | 43.3 | 56.4 | 89.0 | 999.0 | 0.0 |
| | 07:15 | 3 | 3 | 3 | 3 | 2 | 0.8 | 51.2 | 58.5 | 85.0 | 999.0 | 0.0 |
| | 07:30 | 3 | 3 | 3 | 3 | 2 | 0.9 | 63.3 | 60.0 | 82.0 | 999.2 | 0.0 |
| | 07:45 | 4 | 3 | 3 | 3 | 2 | 1.0 | 95.4 | 61.4 | 80.0 | 999.3 | 0.0 |
| | 08:00 | 4 | 3 | 3 | 3 | 2 | 1.1 | 94.0 | 62.1 | 79.0 | 999.3 | 0.0 |
| | 08:15 | 6 | 3 | 3 | 4 | 2 | 1.4 | 79.9 | 62.5 | 79.0 | 999.3 | 0.0 |
| | 08:30 | 2 | 3 | 3 | 3 | 2 | 1.1 | 89.5 | 63.3 | 78.0 | 999.4 | 0.0 |
| | 08:45 | 2 | 3 | 2 | 3 | 2 | 1.2 | 87.8 | 64.9 | 76.0 | 999.5 | 0.0 |
| | 09:00 | 4 | 2 | 2 | 2 | 2 | 1.0 | 78.7 | 66.9 | 73.0 | 999.5 | 0.0 |
| | 09:15 | 4 | 2 | 2 | 2 | 3 | 1.0 | 78.7 | 66.9 | 73.0 | 999.5 | 0.0 |
| | 09:30 | 6 | 5 | 3 | 3 | 2 | 0.8 | 213.5 | 69.7 | 67.0 | 999.6 | 0.0 |
| | 09:45 | 6 | 5 | 3 | 3 | 2 | 0.8 | 213.5 | 69.7 | 67.0 | 999.6 | 0.0 |
| | 10:00 | 3 | 5 | 2 | 2 | 2 | 1.0 | 144.2 | 71.5 | 64.0 | 999.7 | 0.0 |
| | 10:15 | 3 | 5 | 2 | 2 | 3 | 1.0 | 144.2 | 71.5 | 64.0 | 999.7 | 0.0 |
| | 10:30 | 3 | 4 | 2 | 3 | 2 | 1.0 | 115.3 | 72.7 | 64.0 | 999.7 | 0.0 |
| | 10:45 | 3 | 4 | 2 | 3 | 3 | 1.0 | 115.3 | 72.7 | 64.0 | 999.7 | 0.0 |
| | 11:00 | 5 | 4 | 4 | 3 | 2 | 1.1 | 201.8 | 73.8 | 60.0 | 999.6 | 0.0 |
| | 11:15 | 5 | 4 | 4 | 3 | 3 | 1.1 | 201.8 | 73.8 | 60.0 | 999.6 | 0.0 |
| | 11:30 | 6 | 4 | 3 | 2 | 2 | 1.0 | 187.3 | 74.8 | 58.0 | 999.5 | 0.0 |
| | 11:45 | 6 | 4 | 3 | 2 | 2 | 1.0 | 187.3 | 74.8 | 58.0 | 999.5 | 0.0 |
| | 12:00 | 2 | 2 | 2 | 2 | 2 | 1.3 | 163.3 | 75.1 | 56.0 | 999.5 | 0.0 |
| | 12:15 | 2 | 2 | 2 | 2 | 2 | 1.3 | 163.3 | 75.1 | 56.0 | 999.5 | 0.0 |
| | 12:30 | 6 | 3 | 3 | 2 | 2 | 1.2 | 183.6 | 75.7 | 55.0 | 999.3 | 0.0 |
| | 12:45 | 6 | 3 | 3 | 2 | 2 | 1.2 | 183.6 | 75.7 | 55.0 | 999.3 | 0.0 |
| | 13:00 | 2 | 3 | 2 | 2 | 2 | 1.2 | 88.6 | 77.0 | 54.0 | 999.3 | 0.0 |
| | 13:15 | 2 | 3 | 2 | 2 | 2 | 1.2 | 88.6 | 77.0 | 54.0 | 999.3 | 0.0 |
| | 13:30 | 4 | 2 | 2 | 2 | 3 | 1.0 | 101.7 | 77.7 | 51.0 | 999.1 | 0.0 |
| | 13:45 | 4 | 2 | 2 | 2 | 2 | 1.0 | 101.7 | 77.7 | 51.0 | 999.1 | 0.0 |
| | 14:00 | 1 | 2 | 2 | 3 | 3 | 1.2 | 248.3 | 77.8 | 53.0 | 999.1 | 0.0 |
| | 14:15 | 1 | 2 | 2 | 3 | 2 | 1.2 | 248.3 | 77.8 | 53.0 | 999.1 | 0.0 |
| | 14:30 | 1 | 5 | 1 | 2 | 3 | 1.3 | 65.1 | 78.9 | 50.0 | 999.1 | 0.0 |
| | 14:45 | 1 | 5 | 1 | 2 | 2 | 1.3 | 65.1 | 78.9 | 50.0 | 999.1 | 0.0 |
| | 15:00 | 8 | 4 | 1 | 2 | 3 | 1.3 | 43.5 | 78.9 | 50.0 | 999.1 | 0.0 |
| | 15:15 | 8 | 4 | 1 | 2 | 2 | 1.3 | 43.5 | 78.9 | 50.0 | 999.1 | 0.0 |
| | 15:30 | 1 | 5 | 2 | 3 | 3 | 0.9 | 211.4 | 79.5 | 47.0 | 999.0 | 0.0 |
| | 15:45 | 1 | 5 | 2 | 3 | 3 | 0.9 | 211.4 | 79.5 | 47.0 | 999.0 | 0.0 |
| | 16:00 | 0 | 2 | 2 | 2 | 3 | 1.7 | 71.8 | 79.7 | 49.0 | 998.9 | 0.0 |
| | 16:15 | 0 | 2 | 2 | 2 | 2 | 1.7 | 71.8 | 79.7 | 49.0 | 998.9 | 0.0 |
| | 16:30 | 11 | 2 | 2 | 2 | 3 | 1.4 | 168.0 | 80.1 | 47.0 | 998.8 | 0.0 |
| | 16:45 | 11 | 2 | 2 | 2 | 2 | 1.4 | 168.0 | 80.1 | 47.0 | 998.8 | 0.0 |
| | 17:00 | 7 | 4 | 2 | 2 | 3 | 1.1 | 39.6 | 81.4 | 44.0 | 998.7 | 0.0 |
| | 17:15 | 7 | 4 | 2 | 2 | 2 | 1.1 | 39.6 | 81.4 | 44.0 | 998.7 | 0.0 |
| | 17:30 | 2 | 4 | 2 | 2 | 3 | 1.5 | 57.3 | 81.2 | 45.0 | 998.7 | 0.0 |
| | 17:45 | 2 | 4 | 2 | 2 | 2 | 1.5 | 57.3 | 81.2 | 45.0 | 998.7 | 0.0 |
| | 18:00 | 1 | 3 | 2 | 3 | 3 | 1.0 | 33.5 | 81.8 | 45.0 | 998.7 | 0.0 |
| | 18:15 | 1 | 3 | 2 | 3 | 3 | 1.0 | 33.5 | 81.8 | 45.0 | 998.7 | 0.0 |
| | 18:30 | 2 | 3 | 3 | 3 | 3 | 1.4 | 286.2 | 83.1 | 45.0 | 998.5 | 0.0 |
| | 18:45 | 2 | 3 | 3 | 3 | 3 | 1.4 | 286.2 | 83.1 | 45.0 | 998.5 | 0.0 |
| | 19:00 | 10 | 17 | 2 | 3 | 3 | 1.4 | 71.6 | 82.5 | 42.0 | 998.5 | 0.0 |
| | 19:15 | 5 | 2 | 1 | 2 | 2 | 1.1 | 102.5 | 83.2 | 43.0 | 998.3 | 0.0 |
| | 19:30 | 7 | 16 | 2 | 2 | 3 | 1.6 | 39.1 | 83.0 | 44.0 | 998.1 | 0.0 |
| | 19:45 | 5 | 3 | 2 | 3 | 3 | 1.3 | 34.9 | 83.3 | 41.0 | 997.9 | 0.0 |
| | 20:00 | 1 | 2 | 1 | 3 | 3 | 0.9 | 88.8 | 84.5 | 42.0 | 997.7 | 0.0 |
| | 20:15 | 0 | 2 | 1 | 3 | 3 | 1.1 | 92.7 | 83.3 | 41.0 | 997.7 | 0.0 |
| | 20:30 | 0 | 2 | 1 | 2 | 3 | 1.2 | 357.8 | 84.9 | 40.0 | 997.6 | 0.0 |
| | 20:45 | 0 | 3 | 1 | 2 | 2 | 1.0 | 30.0 | 85.2 | 41.0 | 997.3 | 0.0 |
| | 21:00 | 0 | 2 | 1 | 2 | 2 | 0.9 | 61.0 | 85.2 | 41.0 | 997.1 | 0.0 |
| | 21:15 | 0 | 3 | 1 | 2 | 2 | 1.1 | 178.2 | 85.0 | 42.0 | 997.0 | 0.0 |
| | 21:30 | 1 | 3 | 1 | 2 | 2 | 1.1 | 25.0 | 85.0 | 42.0 | 997.0 | 0.0 |
| | 21:45 | 1 | 3 | 1 | 2 | 2 | 1.4 | 26.5 | 84.2 | 42.0 | 996.9 | 0.0 |
| | 22:00 | 1 | 2 | 1 | 2 | 3 | 1.3 | 35.3 | 83.8 | 42.0 | 996.7 | 0.0 |
| | 22:15 | 1 | 2 | 1 | 2 | 2 | 0.9 | 76.3 | 84.3 | 42.0 | 996.6 | 0.0 |
| | 22:30 | 1 | 3 | 1 | 2 | 2 | 1.2 | 50.8 | 83.4 | 43.0 | 996.7 | 0.0 |
| | 22:45 | 1 | 2 | 1 | 2 | 2 | 1.2 | 71.8 | 82.7 | 44.0 | 996.7 | 0.0 |
| | 23:00 | 1 | 3 | 1 | 2 | 2 | 0.9 | 67.3 | 81.6 | 46.0 | 996.6 | 0.0 |
| | 23:15 | 1 | 3 | 1 | 2 | 2 | 0.7 | 229.6 | 80.8 | 51.0 | 996.7 | 0.0 |
| | 23:30 | 1 | 3 | 1 | 2 | 2 | 0.5 | 230.2 | 79.4 | 53.0 | 996.7 | 0.0 |
| | 23:45 | 1 | 3 | 2 | 2 | 3 | 0.4 | 245.0 | 78.0 | 56.0 | 996.7 | 0.0 |
| | 00:00 | 2 | 3 | 2 | 3 | 3 | 0.4 | 241.5 | 76.7 | 58.0 | 996.6 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/2/2023 | 00:15 | 2 | 3 | 3 | 3 | 3 | 0.3 | 253.0 | 75.3 | 63.0 | 996.5 | 0.0 |
| | 00:30 | 2 | 3 | 3 | 3 | 3 | 0.3 | 244.9 | 73.7 | 66.0 | 996.6 | 0.0 |
| | 00:45 | 2 | 3 | 3 | 3 | 3 | 0.3 | 261.8 | 72.1 | 68.0 | 996.6 | 0.0 |
| | 01:00 | 2 | 4 | 3 | 2 | 3 | 0.3 | 148.4 | 71.1 | 71.0 | 996.9 | 0.0 |
| | 01:15 | 2 | 3 | 3 | 2 | 3 | 0.3 | 215.2 | 69.9 | 74.0 | 997.0 | 0.0 |
| | 01:30 | 2 | 3 | 3 | 2 | 2 | 0.3 | 225.0 | 69.0 | 76.0 | 997.2 | 0.0 |
| | 01:45 | 2 | 3 | 3 | 4 | 5 | 0.3 | 57.1 | 68.2 | 78.0 | 997.2 | 0.0 |
| | 02:00 | 3 | 4 | 4 | 4 | 5 | 0.4 | 231.2 | 67.4 | 81.0 | 997.5 | 0.0 |
| | 02:15 | 4 | 5 | 4 | 4 | 4 | 0.4 | 58.7 | 66.7 | 81.0 | 997.4 | 0.0 |
| | 02:30 | 4 | 4 | 4 | 4 | 4 | 0.4 | 66.3 | 66.2 | 83.0 | 997.5 | 0.0 |
| | 02:45 | 3 | 5 | 4 | 3 | 4 | 0.3 | 317.3 | 65.7 | 84.0 | 997.7 | 0.0 |
| | 03:00 | 3 | 4 | 4 | 3 | 4 | 0.3 | 330.2 | 65.3 | 84.0 | 997.9 | 0.0 |
| | 03:15 | 3 | 4 | 4 | 3 | 4 | 0.4 | 306.1 | 64.8 | 85.0 | 998.1 | 0.0 |
| | 03:30 | 3 | 3 | 3 | 3 | 3 | 0.3 | 300.5 | 64.5 | 84.0 | 998.1 | 0.0 |
| | 03:45 | 2 | 3 | 4 | 3 | 3 | 0.3 | 86.6 | 63.9 | 85.0 | 998.1 | 0.0 |
| | 04:00 | 3 | 3 | 3 | 3 | 3 | 0.3 | 30.0 | 63.2 | 86.0 | 998.2 | 0.0 |
| | 04:15 | 3 | 4 | 3 | 3 | 3 | 0.4 | 355.9 | 62.6 | 87.0 | 998.1 | 0.0 |
| | 04:30 | 3 | 4 | 3 | 3 | 3 | 0.4 | 318.7 | 62.3 | 88.0 | 998.0 | 0.0 |
| | 04:45 | 3 | 4 | 3 | 3 | 3 | 0.4 | 345.5 | 61.9 | 89.0 | 997.9 | 0.0 |
| | 05:00 | 4 | 4 | 3 | 3 | 3 | 0.3 | 322.3 | 61.8 | 89.0 | 998.0 | 0.0 |
| | 05:15 | 3 | 4 | 3 | 3 | 3 | 0.4 | 5.5 | 61.4 | 90.0 | 997.9 | 0.0 |
| | 05:30 | 3 | 3 | 3 | 3 | 3 | 0.4 | 10.0 | 60.9 | 91.0 | 997.8 | 0.0 |
| | 05:45 | 3 | 4 | 4 | 3 | 4 | 0.3 | 340.4 | 60.8 | 92.0 | 997.9 | 0.0 |
| | 06:00 | 4 | 4 | 5 | 4 | 5 | 0.4 | 335.0 | 60.6 | 93.0 | 997.9 | 0.0 |
| | 06:15 | 3 | 4 | 4 | 4 | 4 | 0.3 | 348.3 | 60.6 | 92.0 | 997.9 | 0.0 |
| | 06:30 | 3 | 4 | 4 | 4 | 4 | 0.5 | 352.4 | 60.7 | 91.0 | 997.6 | 0.0 |
| | 06:45 | 3 | 4 | 4 | 4 | 4 | 0.4 | 355.6 | 60.6 | 91.0 | 997.6 | 0.0 |
| | 07:00 | 3 | 4 | 4 | 4 | 4 | 0.4 | 20.2 | 60.3 | 92.0 | 997.6 | 0.0 |
| | 07:15 | 5 | 7 | 6 | 4 | 4 | 0.4 | 353.4 | 60.1 | 92.0 | 997.5 | 0.0 |
| | 07:30 | 5 | 7 | 5 | 4 | 4 | 0.4 | 349.6 | 59.8 | 93.0 | 997.4 | 0.0 |
| | 07:45 | 5 | 6 | 4 | 4 | 4 | 0.5 | 347.2 | 59.6 | 94.0 | 997.4 | 0.0 |
| | 08:00 | 5 | 6 | 5 | 4 | 4 | 0.3 | 328.9 | 59.5 | 94.0 | 997.5 | 0.0 |
| | 08:15 | 4 | 5 | 4 | 4 | 4 | 0.3 | 27.6 | 59.3 | 94.0 | 997.5 | 0.0 |
| | 08:30 | 4 | 4 | 4 | 4 | 4 | 0.4 | 33.7 | 59.0 | 95.0 | 997.3 | 0.0 |
| | 08:45 | 4 | 6 | 4 | 4 | 4 | 0.4 | 17.5 | 59.0 | 96.0 | 997.4 | 0.0 |
| | 09:00 | 4 | 5 | 5 | 4 | 5 | 0.3 | 228.7 | 59.1 | 96.0 | 997.3 | 0.0 |
| | 09:15 | 4 | 4 | 5 | 4 | 5 | 0.4 | 242.8 | 59.5 | 95.0 | 997.3 | 0.0 |
| | 09:30 | 4 | 4 | 4 | 4 | 4 | 0.3 | 121.4 | 59.7 | 93.0 | 997.5 | 0.0 |
| | 09:45 | 4 | 5 | 4 | 4 | 4 | 0.2 | 197.1 | 59.1 | 94.0 | 997.6 | 0.0 |
| | 10:00 | 4 | 4 | 4 | 4 | 4 | 0.3 | 138.5 | 58.8 | 95.0 | 997.6 | 0.0 |
| | 10:15 | 4 | 4 | 5 | 4 | 4 | 0.4 | 16.8 | 58.6 | 94.0 | 997.8 | 0.0 |
| | 10:30 | 4 | 5 | 5 | 4 | 4 | 0.3 | 81.5 | 58.3 | 95.0 | 997.8 | 0.0 |
| | 10:45 | 4 | 4 | 4 | 4 | 4 | 0.4 | 19.3 | 58.0 | 95.0 | 997.8 | 0.0 |
| | 11:00 | 4 | 5 | 5 | 4 | 4 | 0.3 | 12.9 | 57.8 | 95.0 | 997.9 | 0.0 |
| | 11:15 | 4 | 4 | 4 | 4 | 4 | 0.4 | 338.3 | 57.6 | 96.0 | 998.1 | 0.0 |
| | 11:30 | 4 | 6 | 5 | 4 | 4 | 0.3 | 327.0 | 57.8 | 96.0 | 998.2 | 0.0 |
| | 11:45 | 4 | 5 | 4 | 4 | 4 | 0.5 | 349.2 | 58.4 | 96.0 | 998.2 | 0.0 |
| | 12:00 | 5 | 5 | 6 | 4 | 4 | 0.4 | 9.0 | 60.7 | 90.0 | 998.4 | 0.0 |
| | 12:15 | 5 | 5 | 6 | 4 | 5 | 0.3 | 237.3 | 62.6 | 86.0 | 998.4 | 0.0 |
| | 12:30 | 4 | 6 | 6 | 5 | 5 | 0.3 | 233.5 | 64.8 | 83.0 | 998.5 | 0.0 |
| | 12:45 | 4 | 5 | 5 | 4 | 4 | 0.4 | 231.7 | 66.8 | 80.0 | 998.5 | 0.0 |
| | 13:00 | 3 | 5 | 5 | 4 | 4 | 0.4 | 237.2 | 68.6 | 77.0 | 998.5 | 0.0 |
| | 13:15 | 3 | 5 | 4 | 4 | 5 | 0.5 | 213.3 | 70.1 | 74.0 | 998.6 | 0.0 |
| | 13:30 | 4 | 5 | 4 | 5 | 5 | 0.6 | 207.2 | 70.1 | 73.0 | 998.4 | 0.0 |
| | 13:45 | 4 | 6 | 4 | 5 | 5 | 0.9 | 213.8 | 71.7 | 69.0 | 998.5 | 0.0 |
| | 14:00 | 4 | 6 | 5 | 5 | 5 | 1.3 | 238.8 | 73.4 | 63.0 | 998.5 | 0.0 |
| | 14:15 | 4 | 5 | 5 | 5 | 5 | 1.6 | 246.8 | 74.7 | 61.0 | 998.5 | 0.0 |
| | 14:30 | 4 | 5 | 4 | 5 | 5 | 1.1 | 223.7 | 76.1 | 60.0 | 998.6 | 0.0 |
| | 14:45 | 3 | 5 | 5 | 4 | 4 | 1.5 | 229.6 | 76.6 | 58.0 | 998.7 | 0.0 |
| | 15:00 | 4 | 4 | 5 | 4 | 4 | 1.2 | 230.3 | 78.0 | 55.0 | 998.6 | 0.0 |
| | 15:15 | 4 | 4 | 5 | 4 | 4 | 1.5 | 227.8 | 78.5 | 52.0 | 998.8 | 0.0 |
| | 15:30 | 3 | 4 | 4 | 4 | 4 | 1.5 | 228.0 | 78.8 | 52.0 | 998.7 | 0.0 |
| | 15:45 | 3 | 4 | 4 | 4 | 4 | 1.7 | 234.6 | 79.5 | 51.0 | 998.7 | 0.0 |
| | 16:00 | 3 | 4 | 4 | 4 | 4 | 1.8 | 240.4 | 80.0 | 53.0 | 998.6 | 0.0 |
| | 16:15 | 3 | 4 | 4 | 5 | 4 | 2.1 | 230.7 | 80.8 | 52.0 | 998.5 | 0.0 |
| | 16:30 | 3 | 4 | 3 | 4 | 4 | 1.7 | 226.4 | 81.8 | 48.0 | 998.4 | 0.0 |
| | 16:45 | 2 | 4 | 3 | 4 | 4 | 2.1 | 241.9 | 81.8 | 51.0 | 998.2 | 0.0 |
| | 17:00 | 2 | 4 | 3 | 4 | 4 | 2.1 | 245.5 | 82.9 | 48.0 | 998.0 | 0.0 |
| | 17:15 | 2 | 4 | 3 | 6 | 6 | 2.1 | 218.4 | 83.0 | 45.0 | 997.8 | 0.0 |
| | 17:30 | 2 | 4 | 4 | 5 | 4 | 2.1 | 239.3 | 83.9 | 46.0 | 997.6 | 0.0 |
| | 17:45 | 2 | 5 | 4 | 5 | 5 | 2.3 | 249.6 | 84.3 | 48.0 | 997.4 | 0.0 |
| | 18:00 | 3 | 5 | 5 | 5 | 5 | 1.5 | 231.5 | 85.2 | 45.0 | 997.3 | 0.0 |
| | 18:15 | 3 | 5 | 5 | 6 | 5 | 1.8 | 252.4 | 86.0 | 47.0 | 997.1 | 0.0 |
| | 18:30 | 3 | 5 | 5 | 6 | 6 | 2.0 | 246.5 | 86.0 | 44.0 | 997.0 | 0.0 |
| | 18:45 | 3 | 5 | 4 | 6 | 6 | 1.8 | 260.0 | 86.7 | 42.0 | 996.8 | 0.0 |
| | 19:00 | 2 | 5 | 4 | 5 | 5 | 2.2 | 257.8 | 87.0 | 43.0 | 996.7 | 0.0 |
| | 19:15 | 3 | 5 | 4 | 5 | 5 | 1.8 | 250.0 | 87.2 | 44.0 | 996.7 | 0.0 |
| | 19:30 | 3 | 5 | 4 | 5 | 5 | 1.8 | 233.5 | 87.4 | 41.0 | 996.5 | 0.0 |
| | 19:45 | 2 | 5 | 4 | 5 | 5 | 1.8 | 260.7 | 88.0 | 44.0 | 996.3 | 0.0 |
| | 20:00 | 3 | 6 | 4 | 6 | 6 | 1.5 | 256.3 | 88.3 | 44.0 | 996.1 | 0.0 |
| | 20:15 | 3 | 6 | 4 | 6 | 6 | 1.6 | 247.8 | 88.4 | 45.0 | 995.9 | 0.0 |
| | 20:30 | 3 | 6 | 5 | 6 | 7 | 1.7 | 257.3 | 88.3 | 46.0 | 995.9 | 0.0 |
| | 20:45 | 4 | 7 | 6 | 7 | 7 | 1.8 | 228.6 | 88.3 | 45.0 | 995.8 | 0.0 |
| | 21:00 | 4 | 7 | 6 | 7 | 7 | 1.8 | 258.0 | 88.7 | 46.0 | 995.7 | 0.0 |
| | 21:15 | 4 | 7 | 6 | 7 | 7 | 2.1 | 240.2 | 88.2 | 45.0 | 995.6 | 0.0 |
| | 21:30 | 4 | 7 | 6 | 7 | 7 | 1.9 | 237.4 | 88.4 | 47.0 | 995.5 | 0.0 |
| | 21:45 | 5 | 7 | 6 | 7 | 7 | 1.9 | 255.7 | 88.7 | 46.0 | 995.4 | 0.0 |
| | 22:00 | 5 | 7 | 6 | 8 | 8 | 1.7 | 247.8 | 88.1 | 47.0 | 995.2 | 0.0 |
| | 22:15 | 5 | 7 | 6 | 8 | 8 | 1.6 | 243.1 | 88.2 | 48.0 | 995.0 | 0.0 |
| | 22:30 | 6 | 8 | 6 | 8 | 8 | 1.5 | 250.4 | 88.0 | 49.0 | 995.0 | 0.0 |
| | 22:45 | 6 | 8 | 7 | 9 | 9 | 1.9 | 249.3 | 86.7 | 51.0 | 995.0 | 0.0 |
| | 23:00 | 6 | 8 | 7 | 9 | 10 | 1.4 | 239.0 | 85.7 | 54.0 | 994.8 | 0.0 |
| | 23:15 | 7 | 9 | 7 | 10 | 10 | 1.4 | 249.0 | 85.1 | 55.0 | 994.6 | 0.0 |
| | 23:30 | 7 | 9 | 8 | 10 | 10 | 1.5 | 265.5 | 84.4 | 57.0 | 994.6 | 0.0 |
| | 23:45 | 8 | 10 | 9 | 11 | 11 | 1.3 | 240.6 | 83.5 | 59.0 | 994.5 | 0.0 |
| | 00:00 | 9 | 11 | 10 | 12 | 11 | 0.8 | 224.1 | 82.4 | 63.0 | 994.4 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/3/2023 | 00:15 | 10 | 13 | 11 | 11 | 12 | 0.5 | 271.8 | 81.3 | 65.0 | 994.3 | 0.0 |
| | 00:30 | 10 | 14 | 13 | 12 | 12 | 0.6 | 234.7 | 80.1 | 68.0 | 994.4 | 0.0 |
| | 00:45 | 10 | 15 | 14 | 12 | 12 | 0.5 | 233.2 | 79.0 | 71.0 | 994.4 | 0.0 |
| | 01:00 | 11 | 14 | 13 | 12 | 12 | 0.7 | 217.7 | 78.5 | 72.0 | 994.6 | 0.0 |
| | 01:15 | 11 | 15 | 13 | 12 | 13 | 0.9 | 243.6 | 78.1 | 74.0 | 994.8 | 0.0 |
| | 01:30 | 10 | 14 | 13 | 12 | 13 | 1.0 | 249.2 | 77.7 | 76.0 | 995.0 | 0.0 |
| | 01:45 | 9 | 12 | 13 | 12 | 12 | 0.9 | 252.9 | 77.3 | 76.0 | 995.2 | 0.0 |
| | 02:00 | 8 | 11 | 12 | 11 | 12 | 0.7 | 261.9 | 76.9 | 77.0 | 995.2 | 0.0 |
| | 02:15 | 7 | 10 | 10 | 10 | 11 | 0.5 | 259.5 | 76.2 | 79.0 | 995.3 | 0.0 |
| | 02:30 | 7 | 10 | 10 | 9 | 10 | 0.3 | 301.7 | 75.1 | 82.0 | 995.2 | 0.0 |
| | 02:45 | 7 | 10 | 9 | 8 | 9 | 0.4 | 315.0 | 74.2 | 84.0 | 995.2 | 0.0 |
| | 03:00 | 7 | 9 | 9 | 8 | 9 | 0.4 | 321.3 | 73.2 | 86.0 | 995.2 | 0.0 |
| | 03:15 | 7 | 9 | 9 | 9 | 9 | 0.4 | 274.7 | 72.9 | 87.0 | 995.2 | 0.0 |
| | 03:30 | 7 | 9 | 9 | 8 | 9 | 0.4 | 106.9 | 72.5 | 88.0 | 995.3 | 0.0 |
| | 03:45 | 6 | 9 | 9 | 8 | 9 | 0.5 | 85.8 | 72.0 | 89.0 | 995.4 | 0.0 |
| | 04:00 | 6 | 8 | 8 | 8 | 9 | 0.4 | 55.3 | 71.5 | 90.0 | 995.4 | 0.0 |
| | 04:15 | 6 | 8 | 8 | 8 | 9 | 0.6 | 256.8 | 71.7 | 90.0 | 995.5 | 0.0 |
| | 04:30 | 6 | 8 | 9 | 7 | 8 | 0.6 | 248.8 | 71.6 | 91.0 | 995.3 | 0.0 |
| | 04:45 | 7 | 8 | 8 | 8 | 8 | 0.7 | 258.2 | 71.6 | 91.0 | 995.3 | 0.0 |
| | 05:00 | 7 | 9 | 9 | 7 | 9 | 0.7 | 233.7 | 71.5 | 91.0 | 995.2 | 0.0 |
| | 05:15 | 7 | 9 | 9 | 8 | 8 | 0.7 | 257.4 | 71.4 | 92.0 | 995.2 | 0.0 |
| | 05:30 | 8 | 10 | 10 | 7 | 9 | 0.5 | 234.1 | 71.1 | 93.0 | 995.1 | 0.0 |
| | 05:45 | 8 | 10 | 10 | 8 | 9 | 0.7 | 236.9 | 70.9 | 93.0 | 995.0 | 0.0 |
| | 06:00 | 8 | 10 | 10 | 8 | 10 | 0.5 | 263.4 | 70.6 | 94.0 | 995.0 | 0.0 |
| | 06:15 | 8 | 10 | 10 | 9 | 10 | 0.4 | 23.6 | 70.2 | 95.0 | 995.1 | 0.0 |
| | 06:30 | 9 | 11 | 10 | 9 | 10 | 0.4 | 351.3 | 70.0 | 95.0 | 995.0 | 0.0 |
| | 06:45 | 9 | 11 | 10 | 9 | 10 | 0.5 | 307.9 | 70.1 | 95.0 | 995.0 | 0.0 |
| | 07:00 | 8 | 11 | 10 | 9 | 10 | 0.5 | 197.7 | 70.1 | 95.0 | 995.0 | 0.0 |
| | 07:15 | 8 | 10 | 10 | 9 | 11 | 0.6 | 232.8 | 70.1 | 96.0 | 994.9 | 0.0 |
| | 07:30 | 9 | 11 | 11 | 9 | 10 | 0.6 | 231.3 | 70.2 | 96.0 | 994.8 | 0.0 |
| | 07:45 | 8 | 10 | 11 | 9 | 10 | 0.6 | 263.3 | 70.3 | 96.0 | 994.8 | 0.0 |
| | 08:00 | 8 | 10 | 11 | 8 | 10 | 0.6 | 214.4 | 70.2 | 96.0 | 994.7 | 0.0 |
| | 08:15 | 9 | 10 | 10 | 9 | 10 | 0.6 | 164.6 | 70.2 | 96.0 | 994.8 | 0.0 |
| | 08:30 | 8 | 10 | 10 | 8 | 10 | 0.5 | 151.1 | 70.0 | 97.0 | 994.8 | 0.0 |
| | 08:45 | 8 | 10 | 11 | 9 | 10 | 0.8 | 215.0 | 70.1 | 97.0 | 994.8 | 0.0 |
| | 09:00 | 9 | 11 | 11 | 9 | 11 | 0.6 | 228.5 | 70.0 | 97.0 | 994.8 | 0.0 |
| | 09:15 | 8 | 10 | 11 | 9 | 10 | 0.7 | 233.0 | 70.1 | 97.0 | 994.8 | 0.0 |
| | 09:30 | 9 | 10 | 10 | 9 | 11 | 0.7 | 234.2 | 70.1 | 97.0 | 994.7 | 0.0 |
| | 09:45 | 8 | 9 | 10 | 8 | 10 | 0.8 | 227.3 | 70.0 | 97.0 | 994.7 | 0.0 |
| | 10:00 | 8 | 10 | 10 | 9 | 10 | 0.9 | 240.6 | 70.0 | 97.0 | 994.7 | 0.0 |
| | 10:15 | 8 | 9 | 10 | 8 | 10 | 0.8 | 236.2 | 70.0 | 98.0 | 994.7 | 0.0 |
| | 10:30 | 7 | 9 | 10 | 8 | 10 | 1.3 | 227.5 | 70.2 | 97.0 | 994.7 | 0.0 |
| | 10:45 | 7 | 8 | 8 | 7 | 9 | 1.0 | 235.8 | 70.5 | 97.0 | 994.8 | 0.0 |
| | 11:00 | 7 | 8 | 9 | 7 | 8 | 1.1 | 224.5 | 70.5 | 97.0 | 994.9 | 0.0 |
| | 11:15 | 6 | 8 | 9 | 7 | 8 | 1.0 | 232.7 | 70.5 | 97.0 | 995.1 | 0.0 |
| | 11:30 | 7 | 8 | 9 | 7 | 8 | 1.1 | 240.1 | 70.5 | 97.0 | 995.1 | 0.0 |
| | 11:45 | 6 | 8 | 8 | 7 | 8 | 1.0 | 217.7 | 70.6 | 97.0 | 995.2 | 0.0 |
| | 12:00 | 7 | 8 | 8 | 6 | 8 | 1.1 | 224.3 | 71.3 | 95.0 | 995.4 | 0.0 |
| | 12:15 | 6 | 7 | 8 | 6 | 7 | 1.2 | 239.9 | 71.9 | 94.0 | 995.4 | 0.0 |
| | 12:30 | 6 | 8 | 8 | 6 | 7 | 1.4 | 239.1 | 72.7 | 93.0 | 995.5 | 0.0 |
| | 12:45 | 6 | 8 | 7 | 6 | 7 | 1.3 | 243.2 | 73.6 | 90.0 | 995.6 | 0.0 |
| | 13:00 | 5 | 7 | 7 | 5 | 6 | 1.4 | 239.7 | 74.7 | 89.0 | 995.6 | 0.0 |
| | 13:15 | 5 | 7 | 6 | 6 | 6 | 1.7 | 248.3 | 75.2 | 89.0 | 995.6 | 0.0 |
| | 13:30 | 5 | 7 | 6 | 6 | 7 | 2.1 | 234.3 | 75.7 | 88.0 | 995.6 | 0.0 |
| | 13:45 | 5 | 7 | 6 | 7 | 7 | 1.7 | 240.7 | 77.0 | 85.0 | 995.5 | 0.0 |
| | 14:00 | 6 | 7 | 7 | 7 | 7 | 1.6 | 251.9 | 78.2 | 83.0 | 995.5 | 0.0 |
| | 14:15 | 6 | 8 | 8 | 8 | 8 | 1.8 | 227.1 | 79.2 | 81.0 | 995.4 | 0.0 |
| | 14:30 | 6 | 8 | 7 | 8 | 8 | 1.9 | 231.8 | 79.9 | 79.0 | 995.4 | 0.0 |
| | 14:45 | 6 | 8 | 7 | 8 | 8 | 1.9 | 233.6 | 80.9 | 77.0 | 995.4 | 0.0 |
| | 15:00 | 5 | 8 | 7 | 7 | 7 | 1.9 | 250.0 | 81.7 | 75.0 | 995.4 | 0.0 |
| | 15:15 | 6 | 7 | 7 | 7 | 8 | 1.6 | 237.5 | 82.7 | 72.0 | 995.3 | 0.0 |
| | 15:30 | 5 | 7 | 6 | 7 | 7 | 1.8 | 229.1 | 84.0 | 69.0 | 995.3 | 0.0 |
| | 15:45 | 6 | 6 | 5 | 6 | 6 | 2.4 | 252.5 | 84.0 | 68.0 | 995.3 | 0.0 |
| | 16:00 | 4 | 5 | 5 | 5 | 6 | 1.5 | 241.2 | 84.5 | 66.0 | 995.1 | 0.0 |
| | 16:15 | 4 | 4 | 4 | 5 | 5 | 1.8 | 246.4 | 86.2 | 62.0 | 995.0 | 0.0 |
| | 16:30 | 3 | 4 | 3 | 4 | 4 | 2.0 | 239.7 | 85.0 | 63.0 | 994.8 | 0.0 |
| | 16:45 | 2 | 3 | 3 | 4 | 4 | 1.8 | 247.1 | 85.6 | 62.0 | 994.7 | 0.0 |
| | 17:00 | 2 | 3 | 3 | 4 | 4 | 1.6 | 250.1 | 87.6 | 57.0 | 994.6 | 0.0 |
| | 17:15 | 2 | 3 | 3 | 3 | 4 | 1.6 | 237.9 | 88.2 | 59.0 | 994.5 | 0.0 |
| | 17:30 | 2 | 3 | 3 | 3 | 3 | 1.9 | 250.9 | 87.2 | 57.0 | 994.3 | 0.0 |
| | 17:45 | 2 | 4 | 3 | 4 | 4 | 2.0 | 242.2 | 88.4 | 55.0 | 994.1 | 0.0 |
| | 18:00 | 2 | 3 | 2 | 3 | 3 | 2.3 | 255.0 | 88.5 | 52.0 | 994.0 | 0.0 |
| | 18:15 | 2 | 3 | 2 | 3 | 3 | 1.7 | 247.5 | 89.0 | 54.0 | 993.7 | 0.0 |
| | 18:30 | 1 | 3 | 2 | 3 | 3 | 1.7 | 243.9 | 90.0 | 52.0 | 993.6 | 0.0 |
| | 18:45 | 1 | 2 | 2 | 3 | 3 | 2.3 | 268.6 | 90.2 | 52.0 | 993.4 | 0.0 |
| | 19:00 | 1 | 2 | 2 | 3 | 3 | 2.4 | 258.2 | 89.5 | 52.0 | 993.1 | 0.0 |
| | 19:15 | 1 | 2 | 2 | 2 | 3 | 1.9 | 244.5 | 90.0 | 53.0 | 993.0 | 0.0 |
| | 19:30 | 0 | 2 | 1 | 2 | 2 | 1.8 | 251.4 | 90.2 | 52.0 | 992.8 | 0.0 |
| | 19:45 | 1 | 2 | 2 | 2 | 3 | 1.7 | 246.5 | 90.8 | 51.0 | 992.7 | 0.0 |
| | 20:00 | 1 | 2 | 1 | 2 | 3 | 1.9 | 239.1 | 89.8 | 52.0 | 992.5 | 0.0 |
| | 20:15 | 1 | 2 | 1 | 3 | 3 | 1.8 | 243.3 | 89.8 | 52.0 | 992.4 | 0.0 |
| | 20:30 | 1 | 2 | 1 | 3 | 3 | 1.9 | 248.9 | 89.8 | 52.0 | 992.3 | 0.0 |
| | 20:45 | 1 | 3 | 2 | 3 | 3 | 1.7 | 251.0 | 90.5 | 52.0 | 992.2 | 0.0 |
| | 21:00 | 1 | 2 | 1 | 3 | 3 | 1.5 | 260.2 | 89.9 | 52.0 | 992.1 | 0.0 |
| | 21:15 | 1 | 3 | 2 | 3 | 3 | 1.8 | 236.3 | 89.5 | 54.0 | 992.0 | 0.0 |
| | 21:30 | 1 | 3 | 2 | 3 | 3 | 1.8 | 250.1 | 88.3 | 54.0 | 992.0 | 0.0 |
| | 21:45 | 1 | 2 | 2 | 3 | 3 | 1.8 | 257.1 | 89.1 | 57.0 | 992.0 | 0.0 |
| | 22:00 | 1 | 3 | 1 | 3 | 3 | 1.8 | 254.7 | 89.5 | 58.0 | 992.0 | 0.0 |
| | 22:15 | 2 | 3 | 2 | 3 | 3 | 1.6 | 243.4 | 88.4 | 60.0 | 992.0 | 0.0 |
| | 22:30 | 2 | 3 | 2 | 3 | 3 | 1.9 | 251.8 | 87.2 | 60.0 | 992.0 | 0.0 |
| | 22:45 | 2 | 3 | 2 | 3 | 3 | 1.5 | 250.8 | 86.5 | 63.0 | 991.9 | 0.0 |
| | 23:00 | 2 | 3 | 2 | 3 | 3 | 1.4 | 231.0 | 85.0 | 64.0 | 991.9 | 0.0 |
| | 23:15 | 2 | 2 | 2 | 3 | 3 | 1.4 | 254.7 | 84.3 | 64.0 | 992.0 | 0.0 |
| | 23:30 | 2 | 2 | 2 | 3 | 2 | 1.3 | 252.9 | 83.6 | 65.0 | 991.9 | 0.0 |
| | 23:45 | 1 | 2 | 2 | 2 | 3 | 1.2 | 246.3 | 82.8 | 66.0 | 991.9 | 0.0 |
| | 00:00 | 2 | 2 | 2 | 2 | 2 | 1.2 | 250.2 | 82.0 | 68.0 | 991.8 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/4/2023 | 00:15 | 2 | 3 | 3 | 2 | 2 | 1.3 | 263.2 | 81.0 | 69.0 | 991.9 | 0.0 |
| | 00:30 | 2 | 3 | 3 | 3 | 3 | 0.9 | 253.4 | 80.2 | 71.0 | 991.9 | 0.0 |
| | 00:45 | 2 | 3 | 3 | 3 | 3 | 0.7 | 249.8 | 79.3 | 73.0 | 991.9 | 0.0 |
| | 01:00 | 2 | 3 | 3 | 2 | 3 | 0.8 | 268.5 | 78.6 | 74.0 | 992.0 | 0.0 |
| | 01:15 | 2 | 3 | 3 | 2 | 3 | 0.9 | 264.5 | 78.1 | 76.0 | 992.2 | 0.0 |
| | 01:30 | 2 | 3 | 3 | 2 | 3 | 0.8 | 259.0 | 77.6 | 77.0 | 992.3 | 0.0 |
| | 01:45 | 2 | 3 | 3 | 2 | 3 | 0.8 | 274.8 | 77.1 | 79.0 | 992.3 | 0.0 |
| | 02:00 | 2 | 3 | 3 | 2 | 3 | 0.8 | 262.6 | 76.5 | 80.0 | 992.4 | 0.0 |
| | 02:15 | 2 | 3 | 3 | 2 | 3 | 0.9 | 274.2 | 76.2 | 81.0 | 992.5 | 0.0 |
| | 02:30 | 2 | 3 | 3 | 3 | 3 | 0.8 | 262.7 | 76.0 | 82.0 | 992.5 | 0.0 |
| | 02:45 | 2 | 3 | 3 | 2 | 3 | 0.7 | 252.5 | 75.7 | 83.0 | 992.5 | 0.0 |
| | 03:00 | 2 | 3 | 3 | 3 | 3 | 0.7 | 287.1 | 75.4 | 84.0 | 992.5 | 0.0 |
| | 03:15 | 2 | 4 | 4 | 3 | 3 | 0.7 | 275.4 | 75.2 | 85.0 | 992.5 | 0.0 |
| | 03:30 | 3 | 4 | 3 | 3 | 4 | 0.7 | 270.0 | 75.1 | 86.0 | 992.5 | 0.0 |
| | 03:45 | 3 | 4 | 4 | 3 | 4 | 0.6 | 299.5 | 74.8 | 86.0 | 992.4 | 0.0 |
| | 04:00 | 3 | 4 | 4 | 4 | 4 | 0.6 | 285.9 | 74.5 | 87.0 | 992.3 | 0.0 |
| | 04:15 | 4 | 4 | 4 | 4 | 4 | 0.6 | 253.1 | 74.2 | 88.0 | 992.3 | 0.0 |
| | 04:30 | 4 | 4 | 5 | 4 | 5 | 0.8 | 269.7 | 73.9 | 89.0 | 992.3 | 0.0 |
| | 04:45 | 4 | 5 | 5 | 5 | 5 | 0.8 | 262.5 | 73.9 | 89.0 | 992.2 | 0.0 |
| | 05:00 | 4 | 6 | 5 | 5 | 6 | 0.7 | 275.2 | 73.9 | 89.0 | 992.2 | 0.0 |
| | 05:15 | 4 | 5 | 5 | 5 | 5 | 0.8 | 256.1 | 73.9 | 89.0 | 992.2 | 0.0 |
| | 05:30 | 5 | 5 | 6 | 5 | 6 | 0.8 | 253.7 | 73.9 | 90.0 | 992.1 | 0.0 |
| | 05:45 | 5 | 5 | 6 | 5 | 5 | 0.7 | 264.8 | 73.7 | 91.0 | 992.0 | 0.0 |
| | 06:00 | 5 | 6 | 6 | 5 | 6 | 0.6 | 275.3 | 73.4 | 91.0 | 991.9 | 0.0 |
| | 06:15 | 5 | 6 | 6 | 5 | 6 | 0.5 | 291.7 | 73.2 | 92.0 | 991.8 | 0.0 |
| | 06:30 | 5 | 6 | 6 | 6 | 6 | 0.6 | 289.4 | 73.1 | 92.0 | 991.7 | 0.0 |
| | 06:45 | 5 | 6 | 6 | 5 | 6 | 0.6 | 261.0 | 73.2 | 92.0 | 991.6 | 0.0 |
| | 07:00 | 5 | 6 | 6 | 5 | 6 | 0.6 | 264.1 | 73.3 | 92.0 | 991.6 | 0.0 |
| | 07:15 | 4 | 5 | 6 | 5 | 6 | 0.4 | 354.0 | 73.0 | 93.0 | 991.5 | 0.0 |
| | 07:30 | 4 | 5 | 6 | 6 | 5 | 0.3 | 57.6 | 72.6 | 93.0 | 991.5 | 0.0 |
| | 07:45 | 4 | 5 | 6 | 5 | 5 | 0.4 | 61.7 | 72.4 | 94.0 | 991.5 | 0.0 |
| | 08:00 | 5 | 5 | 6 | 5 | 5 | 0.5 | 62.4 | 72.3 | 94.0 | 991.5 | 0.0 |
| | 08:15 | 5 | 5 | 6 | 5 | 5 | 0.4 | 130.1 | 72.1 | 95.0 | 991.5 | 0.0 |
| | 08:30 | 4 | 5 | 6 | 5 | 6 | 0.5 | 24.6 | 72.0 | 95.0 | 991.5 | 0.0 |
| | 08:45 | 4 | 5 | 6 | 5 | 5 | 0.4 | 84.2 | 71.9 | 95.0 | 991.5 | 0.0 |
| | 09:00 | 4 | 5 | 6 | 5 | 6 | 0.4 | 56.4 | 71.7 | 95.0 | 991.6 | 0.0 |
| | 09:15 | 4 | 5 | 6 | 5 | 5 | 0.4 | 358.3 | 71.5 | 96.0 | 991.6 | 0.0 |
| | 09:30 | 4 | 5 | 6 | 5 | 6 | 0.4 | 315.3 | 71.5 | 96.0 | 991.7 | 0.0 |
| | 09:45 | 4 | 5 | 6 | 5 | 6 | 0.5 | 238.5 | 71.7 | 96.0 | 991.7 | 0.0 |
| | 10:00 | 4 | 5 | 6 | 5 | 6 | 0.4 | 325.1 | 71.6 | 96.0 | 991.7 | 0.0 |
| | 10:15 | 4 | 5 | 6 | 5 | 6 | 0.4 | 28.6 | 71.5 | 96.0 | 991.6 | 0.0 |
| | 10:30 | 4 | 5 | 6 | 5 | 5 | 0.4 | 21.5 | 71.4 | 97.0 | 991.8 | 0.0 |
| | 10:45 | 4 | 6 | 6 | 5 | 5 | 0.5 | 84.1 | 71.4 | 97.0 | 991.9 | 0.0 |
| | 11:00 | 4 | 5 | 6 | 5 | 5 | 0.5 | 53.8 | 71.4 | 97.0 | 991.9 | 0.0 |
| | 11:15 | 5 | 5 | 5 | 5 | 5 | 0.4 | 60.2 | 71.4 | 97.0 | 991.9 | 0.0 |
| | 11:30 | 4 | 5 | 6 | 5 | 5 | 0.5 | 2.7 | 71.4 | 97.0 | 992.1 | 0.0 |
| | 11:45 | 5 | 5 | 6 | 5 | 5 | 0.4 | 22.2 | 71.7 | 97.0 | 992.1 | 0.0 |
| | 12:00 | 4 | 5 | 6 | 5 | 6 | 0.6 | 103.0 | 72.5 | 95.0 | 992.2 | 0.0 |
| | 12:15 | 4 | 5 | 5 | 5 | 5 | 0.5 | 318.0 | 73.7 | 92.0 | 992.2 | 0.0 |
| | 12:30 | 4 | 5 | 5 | 5 | 5 | 0.7 | 288.1 | 75.1 | 90.0 | 992.3 | 0.0 |
| | 12:45 | 4 | 5 | 5 | 5 | 5 | 0.7 | 209.2 | 76.0 | 89.0 | 992.3 | 0.0 |
| | 13:00 | 4 | 5 | 5 | 5 | 5 | 0.9 | 252.4 | 76.8 | 87.0 | 992.3 | 0.0 |
| | 13:15 | 4 | 5 | 5 | 5 | 5 | 0.8 | 227.7 | 77.5 | 86.0 | 992.3 | 0.0 |
| | 13:30 | 4 | 6 | 5 | 5 | 5 | 1.2 | 242.4 | 77.8 | 86.0 | 992.2 | 0.0 |
| | 13:45 | 4 | 6 | 5 | 5 | 5 | 1.6 | 231.9 | 78.6 | 84.0 | 992.2 | 0.0 |
| | 14:00 | 5 | 6 | 6 | 6 | 6 | 1.7 | 230.6 | 79.8 | 82.0 | 992.2 | 0.0 |
| | 14:15 | 5 | 6 | 6 | 7 | 7 | 1.4 | 233.9 | 81.7 | 78.0 | 992.2 | 0.0 |
| | 14:30 | 6 | 9 | 7 | 7 | 8 | 2.1 | 233.1 | 81.6 | 79.0 | 992.1 | 0.0 |
| | 14:45 | 7 | 8 | 8 | 9 | 9 | 1.9 | 242.7 | 82.4 | 77.0 | 992.1 | 0.0 |
| | 15:00 | 7 | 8 | 8 | 9 | 8 | 1.9 | 243.4 | 82.8 | 75.0 | 992.1 | 0.0 |
| | 15:15 | 6 | 8 | 8 | 8 | 8 | 1.6 | 236.7 | 84.1 | 73.0 | 992.0 | 0.0 |
| | 15:30 | 6 | 7 | 8 | 8 | 8 | 1.8 | 233.5 | 85.1 | 69.0 | 991.8 | 0.0 |
| | 15:45 | 6 | 7 | 7 | 8 | 8 | 1.8 | 236.4 | 86.0 | 68.0 | 991.8 | 0.0 |
| | 16:00 | 7 | 7 | 8 | 8 | 8 | 1.6 | 252.0 | 87.1 | 66.0 | 991.7 | 0.0 |
| | 16:15 | 6 | 8 | 7 | 8 | 8 | 1.7 | 229.4 | 87.4 | 64.0 | 991.7 | 0.0 |
| | 16:30 | 6 | 8 | 7 | 8 | 8 | 1.6 | 239.6 | 87.8 | 64.0 | 991.6 | 0.0 |
| | 16:45 | 6 | 8 | 7 | 8 | 8 | 1.7 | 246.3 | 88.6 | 62.0 | 991.5 | 0.0 |
| | 17:00 | 6 | 8 | 8 | 8 | 8 | 2.1 | 240.5 | 88.5 | 62.0 | 991.4 | 0.0 |
| | 17:15 | 7 | 8 | 8 | 9 | 8 | 1.5 | 264.2 | 88.8 | 61.0 | 991.2 | 0.0 |
| | 17:30 | 6 | 8 | 8 | 8 | 8 | 1.8 | 243.7 | 88.6 | 63.0 | 991.1 | 0.0 |
| | 17:45 | 7 | 9 | 9 | 9 | 9 | 2.2 | 246.6 | 88.8 | 61.0 | 991.0 | 0.0 |
| | 18:00 | 6 | 9 | 9 | 9 | 9 | 2.0 | 235.2 | 89.3 | 61.0 | 990.8 | 0.0 |
| | 18:15 | 7 | 9 | 8 | 8 | 9 | 1.7 | 235.6 | 89.8 | 61.0 | 990.8 | 0.0 |
| | 18:30 | 7 | 8 | 8 | 8 | 8 | 1.8 | 235.1 | 89.8 | 59.0 | 990.7 | 0.0 |
| | 18:45 | 6 | 8 | 8 | 9 | 9 | 1.9 | 257.0 | 89.5 | 59.0 | 990.6 | 0.0 |
| | 19:00 | 6 | 8 | 7 | 9 | 8 | 1.4 | 243.2 | 89.4 | 59.0 | 990.5 | 0.0 |
| | 19:15 | 6 | 7 | 7 | 7 | 8 | 1.9 | 246.2 | 90.7 | 56.0 | 990.2 | 0.0 |
| | 19:30 | 6 | 7 | 7 | 8 | 8 | 1.7 | 249.8 | 91.0 | 56.0 | 990.0 | 0.0 |
| | 19:45 | 6 | 8 | 7 | 8 | 8 | 2.0 | 249.3 | 90.9 | 57.0 | 989.8 | 0.0 |
| | 20:00 | 7 | 8 | 7 | 8 | 8 | 2.1 | 254.2 | 90.8 | 56.0 | 989.6 | 0.0 |
| | 20:15 | 7 | 8 | 7 | 8 | 8 | 1.6 | 249.7 | 91.3 | 54.0 | 989.4 | 0.0 |
| | 20:30 | 6 | 8 | 7 | 8 | 8 | 1.7 | 259.4 | 91.9 | 55.0 | 989.2 | 0.0 |
| | 20:45 | 6 | 8 | 7 | 8 | 8 | 1.8 | 240.9 | 91.3 | 56.0 | 989.1 | 0.0 |
| | 21:00 | 6 | 7 | 7 | 8 | 8 | 1.7 | 236.4 | 91.1 | 55.0 | 989.0 | 0.0 |
| | 21:15 | 6 | 7 | 7 | 8 | 8 | 1.6 | 253.2 | 91.1 | 52.0 | 988.8 | 0.0 |
| | 21:30 | 6 | 8 | 7 | 8 | 9 | 1.7 | 263.4 | 91.8 | 52.0 | 988.7 | 0.0 |
| | 21:45 | 6 | 8 | 7 | 9 | 8 | 1.8 | 253.9 | 91.5 | 53.0 | 988.6 | 0.0 |
| | 22:00 | 6 | 7 | 7 | 9 | 8 | 1.5 | 259.0 | 91.3 | 54.0 | 988.6 | 0.0 |
| | 22:15 | 7 | 8 | 7 | 9 | 8 | 1.6 | 261.0 | 90.9 | 54.0 | 988.6 | 0.0 |
| | 22:30 | 7 | 9 | 8 | 9 | 9 | 1.4 | 274.4 | 90.5 | 56.0 | 988.6 | 0.0 |
| | 22:45 | 7 | 8 | 8 | 9 | 9 | 1.3 | 271.3 | 89.6 | 59.0 | 988.7 | 0.0 |
| | 23:00 | 7 | 8 | 8 | 9 | 9 | 1.4 | 271.5 | 88.4 | 60.0 | 988.6 | 0.0 |
| | 23:15 | 7 | 9 | 9 | 9 | 9 | 1.2 | 186.0 | 87.8 | 61.0 | 988.7 | 0.0 |
| | 23:30 | 8 | 9 | 8 | 10 | 9 | 1.3 | 247.7 | 87.1 | 62.0 | 988.8 | 0.0 |
| | 23:45 | 8 | 8 | 8 | 10 | 9 | 1.1 | 267.4 | 86.5 | 63.0 | 988.8 | 0.0 |
| | 00:00 | 8 | 8 | 8 | 10 | 8 | 1.3 | 258.2 | 85.7 | 64.0 | 988.9 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/5/2023 | 00:15 | 7 | 8 | 9 | 8 | 9 | 0.8 | 288.8 | 85.0 | 65.0 | 989.0 | 0.0 |
| | 00:30 | 7 | 8 | 9 | 9 | 9 | 0.7 | 281.5 | 84.1 | 67.0 | 989.0 | 0.0 |
| | 00:45 | 7 | 8 | 9 | 8 | 8 | 0.7 | 299.0 | 83.4 | 68.0 | 989.1 | 0.0 |
| | 01:00 | 6 | 8 | 8 | 8 | 8 | 1.0 | 267.5 | 82.9 | 69.0 | 989.3 | 0.0 |
| | 01:15 | 7 | 8 | 8 | 8 | 8 | 1.1 | 256.9 | 82.7 | 69.0 | 989.5 | 0.0 |
| | 01:30 | 6 | 8 | 8 | 7 | 8 | 1.0 | 272.6 | 82.2 | 70.0 | 989.6 | 0.0 |
| | 01:45 | 6 | 7 | 8 | 7 | 8 | 1.1 | 253.3 | 81.8 | 72.0 | 989.6 | 0.0 |
| | 02:00 | 6 | 7 | 8 | 7 | 7 | 1.6 | 256.5 | 81.4 | 72.0 | 989.9 | 0.0 |
| | 02:15 | 6 | 8 | 8 | 7 | 8 | 1.7 | 240.1 | 81.0 | 71.0 | 990.1 | 0.0 |
| | 02:30 | 7 | 8 | 8 | 8 | 9 | 1.4 | 246.0 | 80.2 | 70.0 | 990.2 | 0.0 |
| | 02:45 | 7 | 9 | 8 | 8 | 8 | 1.0 | 234.7 | 79.0 | 72.0 | 990.2 | 0.0 |
| | 03:00 | 7 | 7 | 7 | 8 | 8 | 0.8 | 252.2 | 78.1 | 73.0 | 990.2 | 0.0 |
| | 03:15 | 5 | 5 | 6 | 6 | 7 | 0.9 | 211.7 | 77.2 | 75.0 | 990.2 | 0.0 |
| | 03:30 | 5 | 5 | 6 | 5 | 6 | 0.6 | 124.7 | 76.5 | 76.0 | 990.2 | 0.0 |
| | 03:45 | 4 | 5 | 5 | 5 | 5 | 0.8 | 230.6 | 75.8 | 76.0 | 990.2 | 0.0 |
| | 04:00 | 4 | 4 | 5 | 4 | 5 | 0.6 | 238.9 | 75.3 | 76.0 | 990.2 | 0.0 |
| | 04:15 | 4 | 4 | 5 | 4 | 4 | 0.8 | 285.1 | 74.6 | 76.0 | 990.2 | 0.0 |
| | 04:30 | 3 | 3 | 4 | 4 | 4 | 0.9 | 40.6 | 74.0 | 76.0 | 990.1 | 0.0 |
| | 04:45 | 2 | 2 | 4 | 3 | 3 | 1.2 | 251.0 | 73.7 | 75.0 | 990.2 | 0.0 |
| | 05:00 | 2 | 2 | 3 | 2 | 2 | 1.2 | 245.7 | 73.5 | 75.0 | 990.3 | 0.0 |
| | 05:15 | 2 | 2 | 2 | 2 | 2 | 0.9 | 265.7 | 73.1 | 76.0 | 990.4 | 0.0 |
| | 05:30 | 1 | 2 | 2 | 2 | 2 | 1.0 | 246.1 | 73.0 | 77.0 | 990.5 | 0.0 |
| | 05:45 | 1 | 1 | 2 | 2 | 2 | 1.0 | 231.1 | 72.7 | 78.0 | 990.6 | 0.0 |
| | 06:00 | 1 | 2 | 2 | 2 | 2 | 1.1 | 236.3 | 72.8 | 79.0 | 990.6 | 0.0 |
| | 06:15 | 1 | 2 | 2 | 2 | 2 | 1.0 | 231.1 | 73.0 | 79.0 | 990.6 | 0.0 |
| | 06:30 | 1 | 2 | 2 | 2 | 2 | 1.5 | 235.1 | 73.4 | 79.0 | 990.5 | 0.0 |
| | 06:45 | 2 | 2 | 2 | 2 | 2 | 1.7 | 237.7 | 73.8 | 79.0 | 990.5 | 0.0 |
| | 07:00 | 2 | 2 | 2 | 2 | 2 | 1.8 | 242.6 | 73.8 | 80.0 | 990.5 | 0.0 |
| | 07:15 | 2 | 2 | 2 | 2 | 2 | 1.7 | 242.8 | 73.6 | 80.0 | 990.5 | 0.0 |
| | 07:30 | 2 | 2 | 2 | 2 | 2 | 1.5 | 230.1 | 73.7 | 80.0 | 990.4 | 0.0 |
| | 07:45 | 2 | 2 | 2 | 2 | 2 | 1.1 | 247.0 | 73.6 | 80.0 | 990.3 | 0.0 |
| | 08:00 | 2 | 2 | 2 | 2 | 2 | 1.2 | 253.0 | 73.6 | 80.0 | 990.1 | 0.0 |
| | 08:15 | 2 | 2 | 2 | 2 | 2 | 1.2 | 227.9 | 73.5 | 80.0 | 989.9 | 0.0 |
| | 08:30 | 2 | 2 | 2 | 2 | 3 | 1.0 | 240.9 | 73.4 | 81.0 | 989.7 | 0.0 |
| | 08:45 | 2 | 2 | 2 | 2 | 2 | 0.8 | 248.4 | 73.1 | 82.0 | 989.7 | 0.0 |
| | 09:00 | 2 | 2 | 2 | 3 | 2 | 0.8 | 229.3 | 72.8 | 83.0 | 989.8 | 0.0 |
| | 09:15 | 2 | 2 | 2 | 2 | 2 | 0.6 | 251.8 | 72.6 | 83.0 | 989.5 | 0.0 |
| | 09:30 | 2 | 2 | 3 | 3 | 3 | 0.6 | 182.5 | 72.5 | 84.0 | 989.7 | 0.0 |
| | 09:45 | 2 | 2 | 3 | 2 | 2 | 0.8 | 91.1 | 72.0 | 86.0 | 990.0 | 0.0 |
| | 10:00 | 2 | 2 | 3 | 2 | 2 | 0.7 | 81.4 | 71.7 | 86.0 | 990.2 | 0.0 |
| | 10:15 | 2 | 2 | 2 | 2 | 2 | 1.0 | 203.6 | 71.8 | 86.0 | 990.5 | 0.0 |
| | 10:30 | 2 | 2 | 2 | 2 | 2 | 1.0 | 271.4 | 71.8 | 86.0 | 990.6 | 0.0 |
| | 10:45 | 2 | 2 | 2 | 2 | 2 | 1.1 | 218.1 | 71.8 | 85.0 | 990.6 | 0.0 |
| | 11:00 | 2 | 2 | 2 | 2 | 2 | 1.2 | 231.9 | 72.2 | 82.0 | 990.6 | 0.0 |
| | 11:15 | 1 | 2 | 2 | 2 | 2 | 0.9 | 230.9 | 72.5 | 82.0 | 990.6 | 0.0 |
| | 11:30 | 1 | 2 | 2 | 2 | 2 | 0.8 | 241.0 | 72.5 | 82.0 | 990.8 | 0.0 |
| | 11:45 | 1 | 1 | 2 | 2 | 2 | 1.0 | 226.6 | 72.6 | 82.0 | 991.0 | 0.0 |
| | 12:00 | 1 | 2 | 2 | 2 | 2 | 1.2 | 240.5 | 72.5 | 82.0 | 991.1 | 0.0 |
| | 12:15 | 1 | 2 | 2 | 2 | 2 | 1.3 | 215.1 | 72.6 | 81.0 | 991.1 | 0.0 |
| | 12:30 | 2 | 3 | 2 | 2 | 2 | 1.2 | 240.5 | 72.8 | 81.0 | 991.2 | 0.0 |
| | 12:45 | 2 | 3 | 2 | 2 | 2 | 0.9 | 196.3 | 73.1 | 81.0 | 991.3 | 0.0 |
| | 13:00 | 2 | 3 | 2 | 2 | 2 | 1.3 | 237.4 | 73.1 | 81.0 | 991.3 | 0.0 |
| | 13:15 | 1 | 2 | 2 | 2 | 2 | 1.4 | 221.3 | 73.3 | 80.0 | 991.4 | 0.0 |
| | 13:30 | 2 | 2 | 2 | 3 | 4 | 1.3 | 234.2 | 73.7 | 79.0 | 991.6 | 0.0 |
| | 13:45 | 2 | 2 | 2 | 2 | 2 | 1.7 | 228.5 | 74.1 | 78.0 | 991.6 | 0.0 |
| | 14:00 | 1 | 2 | 2 | 3 | 2 | 1.8 | 234.9 | 74.8 | 77.0 | 991.5 | 0.0 |
| | 14:15 | 2 | 1 | 2 | 2 | 2 | 2.0 | 240.2 | 75.1 | 78.0 | 991.5 | 0.0 |
| | 14:30 | 1 | 2 | 1 | 2 | 2 | 1.8 | 246.8 | 75.6 | 77.0 | 991.5 | 0.0 |
| | 14:45 | 1 | 4 | 2 | 1 | 1 | 1.7 | 225.7 | 76.3 | 75.0 | 991.6 | 0.0 |
| | 15:00 | 4 | 5 | 2 | 2 | 1 | 2.0 | 237.0 | 76.5 | 74.0 | 991.6 | 0.0 |
| | 15:15 | 1 | 2 | 2 | 2 | 2 | 1.9 | 240.1 | 76.5 | 75.0 | 991.6 | 0.0 |
| | 15:30 | 1 | 2 | 2 | 2 | 2 | 1.7 | 244.9 | 76.7 | 75.0 | 991.4 | 0.0 |
| | 15:45 | 2 | 13 | 2 | 2 | 2 | 1.8 | 245.3 | 77.0 | 74.0 | 991.4 | 0.0 |
| | 16:00 | 2 | 10 | 2 | 2 | 2 | 1.8 | 245.6 | 77.2 | 74.0 | 991.3 | 0.0 |
| | 16:15 | 2 | 2 | 2 | 2 | 2 | 1.7 | 241.8 | 77.1 | 75.0 | 991.2 | 0.0 |
| | 16:30 | 2 | 2 | 2 | 2 | 2 | 1.6 | 230.4 | 77.6 | 74.0 | 991.1 | 0.0 |
| | 16:45 | 2 | 7 | 2 | 2 | 2 | 1.9 | 214.9 | 78.3 | 73.0 | 991.1 | 0.0 |
| | 17:00 | 2 | 3 | 2 | 2 | 2 | 2.1 | 229.9 | 78.4 | 73.0 | 991.1 | 0.0 |
| | 17:15 | 2 | 3 | 2 | 2 | 2 | 1.9 | 231.2 | 79.0 | 71.0 | 991.2 | 0.0 |
| | 17:30 | 1 | 5 | 2 | 3 | 3 | 2.8 | 228.9 | 79.6 | 72.0 | 991.3 | 0.0 |
| | 17:45 | 3 | 26 | 2 | 3 | 3 | 2.4 | 245.1 | 80.3 | 71.0 | 991.3 | 0.0 |
| | 18:00 | 2 | 11 | 2 | 3 | 2 | 1.8 | 238.9 | 80.8 | 72.0 | 991.3 | 0.0 |
| | 18:15 | 2 | 2 | 2 | 3 | 2 | 2.2 | 240.3 | 81.3 | 71.0 | 991.4 | 0.0 |
| | 18:30 | 3 | 17 | 2 | 3 | 3 | 1.7 | 229.9 | 81.8 | 71.0 | 991.4 | 0.0 |
| | 18:45 | 3 | 18 | 3 | 3 | 3 | 1.2 | 254.5 | 82.2 | 71.0 | 991.3 | 0.0 |
| | 19:00 | 3 | 3 | 3 | 3 | 3 | 1.6 | 249.7 | 82.1 | 72.0 | 991.3 | 0.0 |
| | 19:15 | 3 | 4 | 4 | 4 | 4 | 1.6 | 236.3 | 82.0 | 71.0 | 991.1 | 0.0 |
| | 19:30 | 3 | 9 | 5 | 4 | 4 | 1.3 | 247.1 | 82.4 | 71.0 | 990.7 | 0.0 |
| | 19:45 | 5 | 24 | 4 | 4 | 4 | 1.1 | 229.8 | 82.6 | 72.0 | 990.3 | 0.0 |
| | 20:00 | 5 | 5 | 4 | 5 | 5 | 1.4 | 228.3 | 81.9 | 73.0 | 990.0 | 0.0 |
| | 20:15 | 4 | 6 | 5 | 5 | 5 | 1.8 | 239.9 | 81.0 | 75.0 | 989.6 | 0.0 |
| | 20:30 | 7 | 7 | 6 | 7 | 7 | 1.7 | 224.4 | 79.7 | 76.0 | 989.4 | 0.0 |
| | 20:45 | 4 | 6 | 5 | 6 | 6 | 1.9 | 201.0 | 78.7 | 76.0 | 989.5 | 0.0 |
| | 21:00 | 3 | 5 | 4 | 5 | 4 | 1.9 | 234.1 | 78.8 | 77.0 | 989.4 | 0.0 |
| | 21:15 | 3 | 6 | 4 | 5 | 4 | 1.6 | 230.1 | 78.8 | 77.0 | 989.3 | 0.0 |
| | 21:30 | 3 | 5 | 4 | 4 | 4 | 1.9 | 224.6 | 78.6 | 78.0 | 989.2 | 0.0 |
| | 21:45 | 3 | 5 | 4 | 5 | 5 | 2.2 | 195.7 | 78.8 | 78.0 | 989.2 | 0.0 |
| | 22:00 | 3 | 5 | 5 | 4 | 4 | 1.9 | 233.0 | 79.8 | 75.0 | 989.1 | 0.0 |
| | 22:15 | 3 | 4 | 4 | 5 | 5 | 1.8 | 228.9 | 79.4 | 77.0 | 989.1 | 0.0 |
| | 22:30 | 4 | 5 | 5 | 5 | 5 | 1.7 | 236.3 | 78.8 | 78.0 | 989.2 | 0.0 |
| | 22:45 | 4 | 5 | 6 | 5 | 5 | 1.7 | 223.9 | 78.7 | 78.0 | 989.0 | 0.0 |
| | 23:00 | 4 | 5 | 5 | 5 | 5 | 1.5 | 237.3 | 78.8 | 79.0 | 989.0 | 0.0 |
| | 23:15 | 4 | 5 | 6 | 5 | 5 | 1.8 | 232.8 | 78.6 | 80.0 | 988.8 | 0.0 |
| | 23:30 | 5 | 6 | 6 | 5 | 6 | 1.5 | 234.0 | 78.1 | 81.0 | 988.7 | 0.0 |
| | 23:45 | 4 | 5 | 5 | 5 | 5 | 1.6 | 219.2 | 77.4 | 84.0 | 988.7 | 0.0 |
| | 00:00 | 3 | 4 | 4 | 4 | 5 | 1.4 | 247.1 | 76.8 | 85.0 | 988.6 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/6/2023 | 00:15 | 4 | 5 | 5 | 5 | 5 | 1.5 | 242.6 | 76.0 | 90.0 | 988.1 | 0.0 |
| | 00:30 | 4 | 5 | 6 | 6 | 6 | 1.4 | 231.2 | 75.7 | 89.0 | 988.0 | 0.0 |
| | 00:45 | 4 | 5 | 6 | 4 | 5 | 1.6 | 229.3 | 75.6 | 88.0 | 988.0 | 0.0 |
| | 01:00 | 4 | 5 | 6 | 5 | 5 | 1.7 | 232.1 | 75.6 | 87.0 | 987.9 | 0.0 |
| | 01:15 | 4 | 5 | 6 | 5 | 5 | 1.8 | 225.8 | 75.6 | 87.0 | 988.0 | 0.0 |
| | 01:30 | 4 | 5 | 5 | 4 | 5 | 1.7 | 231.2 | 75.4 | 87.0 | 987.8 | 0.0 |
| | 01:45 | 4 | 4 | 6 | 4 | 5 | 1.5 | 239.2 | 75.1 | 87.0 | 987.5 | 0.0 |
| | 02:00 | 4 | 4 | 5 | 5 | 5 | 1.9 | 251.4 | 74.8 | 87.0 | 987.5 | 0.0 |
| | 02:15 | 3 | 4 | 5 | 4 | 5 | 1.7 | 244.2 | 74.5 | 88.0 | 987.4 | 0.0 |
| | 02:30 | 3 | 4 | 5 | 4 | 5 | 1.7 | 239.6 | 74.2 | 89.0 | 987.2 | 0.0 |
| | 02:45 | 3 | 4 | 5 | 4 | 5 | 1.6 | 234.6 | 74.0 | 89.0 | 987.0 | 0.0 |
| | 03:00 | 4 | 4 | 5 | 4 | 5 | 1.5 | 246.7 | 73.9 | 90.0 | 987.0 | 0.0 |
| | 03:15 | 3 | 4 | 5 | 4 | 5 | 1.7 | 233.9 | 73.8 | 90.0 | 987.0 | 0.0 |
| | 03:30 | 3 | 5 | 5 | 4 | 5 | 1.8 | 239.6 | 73.8 | 91.0 | 987.1 | 0.0 |
| | 03:45 | 4 | 5 | 5 | 4 | 4 | 1.8 | 242.9 | 73.8 | 91.0 | 987.0 | 0.0 |
| | 04:00 | 4 | 4 | 5 | 4 | 5 | 2.2 | 254.6 | 73.8 | 92.0 | 987.2 | 0.0 |
| | 04:15 | 4 | 5 | 6 | 4 | 5 | 2.0 | 260.9 | 74.3 | 91.0 | 987.2 | 0.0 |
| | 04:30 | 4 | 5 | 6 | 4 | 5 | 1.9 | 267.0 | 74.5 | 91.0 | 987.5 | 0.0 |
| | 04:45 | 4 | 5 | 6 | 5 | 6 | 2.1 | 255.4 | 74.5 | 90.0 | 987.6 | 0.0 |
| | 05:00 | 5 | 5 | 6 | 4 | 5 | 2.4 | 262.4 | 75.0 | 86.0 | 987.6 | 0.0 |
| | 05:15 | 5 | 6 | 7 | 5 | 6 | 2.9 | 255.4 | 76.2 | 82.0 | 987.3 | 0.0 |
| | 05:30 | 5 | 6 | 7 | 5 | 6 | 1.7 | 256.2 | 76.7 | 81.0 | 987.2 | 0.0 |
| | 05:45 | 5 | 6 | 7 | 5 | 6 | 2.6 | 250.2 | 76.9 | 79.0 | 987.2 | 0.0 |
| | 06:00 | 5 | 6 | 7 | 5 | 6 | 1.9 | 251.1 | 76.5 | 79.0 | 987.2 | 0.0 |
| | 06:15 | 6 | 6 | 7 | 6 | 7 | 1.1 | 247.0 | 75.9 | 79.0 | 987.5 | 0.0 |
| | 06:30 | 6 | 7 | 8 | 6 | 7 | 1.0 | 245.7 | 75.6 | 80.0 | 987.6 | 0.0 |
| | 06:45 | 6 | 6 | 8 | 6 | 7 | 1.1 | 265.0 | 75.3 | 80.0 | 987.9 | 0.0 |
| | 07:00 | 6 | 7 | 8 | 7 | 7 | 1.0 | 256.1 | 75.3 | 79.0 | 988.2 | 0.0 |
| | 07:15 | 7 | 8 | 9 | 7 | 7 | 0.9 | 247.6 | 75.7 | 77.0 | 988.5 | 0.0 |
| | 07:30 | 5 | 11 | 10 | 7 | 8 | 1.2 | 249.9 | 75.7 | 75.0 | 988.8 | 0.0 |
| | 07:45 | 9 | 7 | 8 | 6 | 9 | 0.9 | 282.7 | 75.5 | 75.0 | 989.0 | 0.0 |
| | 08:00 | 10 | 15 | 13 | 8 | 7 | 0.8 | 266.3 | 75.2 | 75.0 | 989.2 | 0.0 |
| | 08:15 | 10 | 13 | 14 | 11 | 11 | 0.7 | 267.2 | 75.1 | 74.0 | 989.3 | 0.0 |
| | 08:30 | 12 | 14 | 15 | 13 | Offline | 1.1 | 258.4 | 74.6 | 75.0 | 989.4 | 0.0 |
| | 08:45 | 14 | 20 | 18 | 14 | Offline | 1.3 | 254.3 | 74.5 | 73.0 | 989.6 | 0.0 |
| | 09:00 | 18 | 30 | 21 | 18 | 9 | 1.2 | 263.7 | 76.4 | 67.0 | 989.6 | 0.0 |
| | 09:15 | 18 | 23 | 23 | 22 | 20 | 1.2 | 252.2 | 77.6 | 66.0 | 989.6 | 0.0 |
| | 09:30 | 18 | 21 | 23 | 21 | 21 | 1.5 | 241.8 | 77.7 | 63.0 | 989.6 | 0.0 |
| | 09:45 | 19 | 24 | 23 | 20 | 21 | 1.5 | 257.3 | 78.5 | 62.0 | 989.5 | 0.0 |
| | 10:00 | 20 | 32 | 23 | 21 | 21 | 0.9 | 241.3 | 80.0 | 58.0 | 989.4 | 0.0 |
| | 10:15 | 19 | 30 | 23 | 21 | 22 | 1.1 | 260.0 | 80.9 | 57.0 | 989.4 | 0.0 |
| | 10:30 | 19 | 28 | 24 | 22 | 22 | 2.0 | 239.7 | 79.3 | 56.0 | 989.3 | 0.0 |
| | 10:45 | 19 | 25 | 24 | 22 | 22 | 1.8 | 244.1 | 79.0 | 54.0 | 989.3 | 0.0 |
| | 11:00 | 19 | 37 | 23 | 21 | 23 | 1.9 | 248.3 | 79.7 | 53.0 | 989.3 | 0.0 |
| | 11:15 | 18 | 28 | 23 | 23 | 24 | 1.6 | 255.2 | 80.6 | 52.0 | 989.3 | 0.0 |
| | 11:30 | 17 | 29 | 21 | 21 | 20 | 1.6 | 252.7 | 80.6 | 49.0 | 989.3 | 0.0 |
| | 11:45 | 14 | 36 | 19 | 19 | 19 | 2.4 | 246.8 | 79.5 | 50.0 | 989.3 | 0.0 |
| | 12:00 | 13 | 44 | 17 | 16 | 17 | 2.3 | 253.4 | 79.8 | 50.0 | 989.2 | 0.0 |
| | 12:15 | 13 | 43 | 16 | 16 | 16 | 1.7 | 261.4 | 81.2 | 50.0 | 989.3 | 0.0 |
| | 12:30 | 11 | 37 | 15 | 15 | 15 | 2.2 | 246.6 | 80.8 | 52.0 | 989.3 | 0.0 |
| | 12:45 | 10 | 21 | 16 | 13 | 13 | 1.5 | 247.6 | 80.8 | 54.0 | 989.3 | 0.0 |
| | 13:00 | 10 | 17 | 15 | 13 | 13 | 1.3 | 261.7 | 82.1 | 49.0 | 989.2 | 0.0 |
| | 13:15 | 10 | 15 | 16 | 17 | 18 | 1.6 | 253.9 | 81.5 | 51.0 | 989.3 | 0.0 |
| | 13:30 | 11 | 18 | 15 | 14 | 15 | 1.7 | 249.8 | 80.7 | 51.0 | 989.3 | 0.0 |
| | 13:45 | 10 | 16 | 17 | 16 | 15 | 1.6 | 255.6 | 80.1 | 54.0 | 989.4 | 0.0 |
| | 14:00 | 12 | 21 | 17 | 17 | 17 | 1.3 | 246.3 | 80.8 | 52.0 | 989.5 | 0.0 |
| | 14:15 | 12 | 17 | 16 | 17 | 17 | 1.2 | 242.2 | 80.8 | 54.0 | 989.5 | 0.0 |
| | 14:30 | 11 | 24 | 17 | 15 | 15 | 1.4 | 246.6 | 79.7 | 52.0 | 989.6 | 0.0 |
| | 14:45 | 13 | 27 | 16 | 16 | 16 | 2.0 | 241.8 | 78.8 | 56.0 | 989.6 | 0.0 |
| | 15:00 | 14 | 25 | 18 | 16 | 17 | 1.5 | 238.8 | 78.2 | 56.0 | 989.6 | 0.0 |
| | 15:15 | 14 | 21 | 19 | 18 | 19 | 1.8 | 245.4 | 78.6 | 57.0 | 989.6 | 0.0 |
| | 15:30 | 12 | 18 | 17 | 17 | 17 | 1.7 | 249.2 | 78.2 | 55.0 | 989.5 | 0.0 |
| | 15:45 | 12 | 18 | 16 | 16 | 17 | 2.0 | 251.8 | 78.7 | 57.0 | 989.5 | 0.0 |
| | 16:00 | 13 | 19 | 16 | 16 | 16 | 1.5 | 257.1 | 78.0 | 56.0 | 989.6 | 0.0 |
| | 16:15 | 14 | 18 | 18 | 16 | 16 | 1.2 | 254.4 | 77.1 | 59.0 | 989.7 | 0.0 |
| | 16:30 | 14 | 17 | 19 | 22 | 21 | 0.9 | 249.8 | 76.2 | 60.0 | 989.8 | 0.0 |
| | 16:45 | 15 | 19 | 19 | 18 | 19 | 1.1 | 274.5 | 75.2 | 62.0 | 989.9 | 0.0 |
| | 17:00 | 16 | 18 | 19 | 18 | 18 | 1.1 | 252.5 | 74.3 | 64.0 | 990.0 | 0.0 |
| | 17:15 | 18 | 20 | 21 | 19 | 20 | 1.1 | 269.1 | 73.9 | 65.0 | 990.0 | 0.0 |
| | 17:30 | 20 | 22 | 25 | 22 | 22 | 1.1 | 251.8 | 73.3 | 66.0 | 990.1 | 0.0 |
| | 17:45 | 21 | 23 | 24 | 23 | 23 | 1.1 | 255.6 | 72.9 | 68.0 | 990.1 | 0.0 |
| | 18:00 | 19 | 26 | 24 | 23 | 23 | 0.9 | 252.1 | 72.5 | 69.0 | 990.2 | 0.0 |
| | 18:15 | 18 | 23 | 24 | 23 | 23 | 1.0 | 229.8 | 72.2 | 70.0 | 990.3 | 0.0 |
| | 18:30 | 21 | 24 | 25 | 24 | 23 | 0.9 | 233.0 | 71.6 | 72.0 | 990.3 | 0.0 |
| | 18:45 | 21 | 24 | 25 | 23 | 24 | 0.8 | 246.8 | 71.4 | 72.0 | 990.2 | 0.0 |
| | 19:00 | 22 | 23 | 24 | 23 | 23 | 1.0 | 250.1 | 71.0 | 73.0 | 990.2 | 0.0 |
| | 19:15 | 21 | 24 | 25 | 23 | 24 | 0.8 | 257.8 | 71.1 | 72.0 | 990.2 | 0.0 |
| | 19:30 | 23 | 27 | 28 | 24 | 25 | 0.6 | 253.9 | 71.1 | 72.0 | 990.2 | 0.0 |
| | 19:45 | 27 | 31 | 31 | 29 | 29 | 0.8 | 263.5 | 71.0 | 74.0 | 990.3 | 0.0 |
| | 20:00 | 28 | 31 | 32 | 30 | 32 | 0.7 | 263.4 | 70.5 | 74.0 | 990.3 | 0.0 |
| | 20:15 | 28 | 32 | 33 | 31 | 33 | 0.7 | 250.5 | 70.3 | 75.0 | 990.3 | 0.0 |
| | 20:30 | 29 | 32 | 35 | 32 | 32 | 0.5 | 270.2 | 70.4 | 74.0 | 990.4 | 0.0 |
| | 20:45 | 31 | 33 | 36 | 32 | 33 | 0.7 | 261.9 | 70.3 | 75.0 | 990.4 | 0.0 |
| | 21:00 | 31 | 34 | 36 | 32 | 34 | 0.7 | 260.5 | 70.1 | 75.0 | 990.3 | 0.0 |
| | 21:15 | 33 | 36 | 38 | 35 | 36 | 0.7 | 243.1 | 69.8 | 76.0 | 990.3 | 0.0 |
| | 21:30 | 34 | 37 | 39 | 36 | 37 | 0.5 | 220.9 | 69.9 | 76.0 | 990.3 | 0.0 |
| | 21:45 | 34 | 39 | 40 | 37 | 37 | 0.5 | 222.6 | 69.9 | 76.0 | 990.3 | 0.0 |
| | 22:00 | 37 | 42 | 43 | 38 | 39 | 0.5 | 239.0 | 70.0 | 76.0 | 990.3 | 0.0 |
| | 22:15 | 42 | 46 | 48 | 44 | 44 | 0.5 | 254.9 | 69.9 | 77.0 | 990.3 | 0.0 |
| | 22:30 | 44 | 48 | 51 | 47 | 48 | 0.4 | 261.2 | 69.4 | 78.0 | 990.3 | 0.0 |
| | 22:45 | 44 | 49 | 52 | 48 | 50 | 0.4 | 282.3 | 69.1 | 79.0 | 990.3 | 0.0 |
| | 23:00 | 45 | 50 | 52 | 47 | 49 | 0.4 | 273.0 | 69.0 | 79.0 | 990.3 | 0.0 |
| | 23:15 | 45 | 50 | 53 | 48 | 50 | 0.6 | 277.1 | 68.9 | 79.0 | 990.3 | 0.0 |
| | 23:30 | 45 | 50 | 53 | 49 | 50 | 0.5 | 308.1 | 68.9 | 78.0 | 990.3 | 0.0 |
| | 23:45 | 45 | 50 | 52 | 51 | 50 | 0.7 | 270.5 | 68.9 | 78.0 | 990.3 | 0.0 |
| | 00:00 | 44 | 49 | 51 | 50 | 50 | 0.6 | 313.0 | 69.0 | 78.0 | 990.3 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/7/2023 | 00:15 | 40 | 44 | 46 | 45 | 45 | 0.6 | 293.0 | 69.1 | 76.0 | 990.3 | 0.0 |
| | 00:30 | 35 | 40 | 41 | 41 | 41 | 0.7 | 310.5 | 68.8 | 76.0 | 990.2 | 0.0 |
| | 00:45 | 31 | 36 | 37 | 36 | 36 | 0.7 | 318.5 | 68.6 | 76.0 | 990.2 | 0.0 |
| | 01:00 | 29 | 33 | 36 | 35 | 33 | 0.5 | 306.1 | 68.5 | 76.0 | 990.1 | 0.0 |
| | 01:15 | 29 | 35 | 34 | 33 | 33 | 0.6 | 293.6 | 68.5 | 76.0 | 990.0 | 0.0 |
| | 01:30 | 29 | 32 | 34 | 33 | 33 | 0.5 | 270.1 | 68.5 | 77.0 | 990.0 | 0.0 |
| | 01:45 | 29 | 33 | 34 | 33 | 32 | 0.5 | 272.3 | 68.3 | 77.0 | 990.0 | 0.0 |
| | 02:00 | 29 | 33 | 35 | 33 | 33 | 0.7 | 286.0 | 67.9 | 77.0 | 989.9 | 0.0 |
| | 02:15 | 29 | 33 | 35 | 34 | 34 | 0.6 | 277.7 | 67.8 | 77.0 | 989.9 | 0.0 |
| | 02:30 | 29 | 33 | 35 | 34 | 33 | 0.6 | 275.9 | 67.6 | 78.0 | 989.9 | 0.0 |
| | 02:45 | 29 | 33 | 34 | 33 | 33 | 0.7 | 267.9 | 67.4 | 78.0 | 989.9 | 0.0 |
| | 03:00 | 29 | 33 | 35 | 33 | 32 | 0.6 | 277.9 | 67.3 | 79.0 | 989.9 | 0.0 |
| | 03:15 | 29 | 33 | 35 | 33 | 33 | 0.7 | 286.8 | 67.1 | 79.0 | 989.9 | 0.0 |
| | 03:30 | 28 | 33 | 34 | 32 | 32 | 0.6 | 326.0 | 66.9 | 80.0 | 989.8 | 0.0 |
| | 03:45 | 28 | 32 | 33 | 32 | 32 | 0.5 | 324.2 | 66.9 | 80.0 | 989.9 | 0.0 |
| | 04:00 | 28 | 31 | 33 | 32 | 31 | 0.6 | 311.8 | 66.8 | 80.0 | 989.9 | 0.0 |
| | 04:15 | 26 | 30 | 32 | 31 | 30 | 0.5 | 316.4 | 66.8 | 80.0 | 990.0 | 0.0 |
| | 04:30 | 26 | 30 | 32 | 30 | 30 | 0.5 | 326.7 | 66.7 | 79.0 | 990.0 | 0.0 |
| | 04:45 | 26 | 30 | 32 | 31 | 31 | 0.5 | 320.9 | 66.7 | 79.0 | 990.0 | 0.0 |
| | 05:00 | 28 | 31 | 32 | 31 | 31 | 0.5 | 331.1 | 66.6 | 79.0 | 990.1 | 0.0 |
| | 05:15 | 30 | 34 | 35 | 33 | 33 | 0.6 | 306.2 | 66.5 | 79.0 | 990.3 | 0.0 |
| | 05:30 | 32 | 36 | 38 | 37 | 36 | 0.6 | 337.1 | 66.5 | 79.0 | 990.4 | 0.0 |
| | 05:45 | 33 | 37 | 39 | 39 | 38 | 0.5 | 310.7 | 66.4 | 79.0 | 990.4 | 0.0 |
| | 06:00 | 34 | 38 | 40 | 39 | 38 | 0.6 | 308.5 | 66.4 | 79.0 | 990.4 | 0.0 |
| | 06:15 | 34 | 38 | 41 | 38 | 39 | 0.5 | 330.6 | 66.2 | 79.0 | 990.4 | 0.0 |
| | 06:30 | 34 | 38 | 40 | 39 | 38 | 0.5 | 317.8 | 66.2 | 79.0 | 990.6 | 0.0 |
| | 06:45 | 34 | 38 | 40 | 39 | 38 | 0.5 | 312.0 | 66.2 | 79.0 | 990.8 | 0.0 |
| | 07:00 | 34 | 40 | 40 | 40 | 40 | 0.6 | 334.2 | 66.2 | 79.0 | 990.9 | 0.0 |
| | 07:15 | 34 | 38 | 40 | 39 | 40 | 0.6 | 321.3 | 66.4 | 79.0 | 990.9 | 0.0 |
| | 07:30 | 34 | 40 | 41 | 41 | 41 | 0.5 | 296.2 | 66.7 | 78.0 | 991.0 | 0.0 |
| | 07:45 | 34 | 41 | 41 | 42 | 40 | 0.5 | 305.3 | 67.2 | 78.0 | 991.0 | 0.0 |
| | 08:00 | 31 | 39 | 41 | 39 | 40 | 0.6 | 303.2 | 67.4 | 77.0 | 991.1 | 0.0 |
| | 08:15 | 19 | 25 | 42 | 43 | 43 | 0.7 | 347.6 | 67.4 | 77.0 | 991.1 | 0.0 |
| | 08:30 | 33 | 36 | 23 | 39 | 38 | 0.6 | 315.2 | 67.9 | 76.0 | 991.0 | 0.0 |
| | 08:45 | 33 | 42 | 41 | 43 | 42 | 0.7 | 315.4 | 68.2 | 75.0 | 991.1 | 0.0 |
| | 09:00 | 31 | 39 | 39 | 22 | 25 | 0.7 | 314.8 | 68.4 | 76.0 | 991.3 | 0.0 |
| | 09:15 | 28 | 33 | 35 | 37 | 36 | 0.6 | 309.6 | 68.4 | 76.0 | 991.4 | 0.0 |
| | 09:30 | 25 | 31 | 34 | 48 | 47 | 0.8 | 336.2 | 68.5 | 76.0 | 991.6 | 0.0 |
| | 09:45 | 22 | 27 | 28 | 28 | 29 | 0.6 | 331.2 | 68.9 | 74.0 | 991.6 | 0.0 |
| | 10:00 | 23 | 29 | 29 | 28 | 29 | 0.7 | 355.3 | 69.6 | 73.0 | 991.5 | 0.0 |
| | 10:15 | 23 | 28 | 29 | 29 | 28 | 0.7 | 342.2 | 70.1 | 73.0 | 991.6 | 0.0 |
| | 10:30 | 22 | 27 | 28 | 27 | 28 | 0.6 | 288.7 | 70.7 | 70.0 | 991.7 | 0.0 |
| | 10:45 | 20 | 28 | 26 | 27 | 26 | 0.7 | 286.7 | 72.1 | 69.0 | 991.6 | 0.0 |
| | 11:00 | 19 | 33 | 24 | 25 | 24 | 0.6 | 244.9 | 71.6 | 69.0 | 991.7 | 0.0 |
| | 11:15 | 17 | 21 | 22 | 21 | 21 | 0.8 | 262.7 | 71.7 | 70.0 | 991.8 | 0.0 |
| | 11:30 | 16 | 20 | 21 | 21 | 20 | 0.6 | 267.4 | 71.9 | 70.0 | 991.9 | 0.0 |
| | 11:45 | 16 | 33 | 21 | 21 | 21 | 0.7 | 267.8 | 72.0 | 70.0 | 992.0 | 0.0 |
| | 12:00 | 14 | 31 | 18 | 19 | 20 | 0.8 | 237.6 | 71.4 | 72.0 | 992.1 | 0.0 |
| | 12:15 | 14 | 18 | 20 | 19 | 18 | 0.6 | 275.0 | 71.4 | 71.0 | 992.1 | 0.0 |
| | 12:30 | 13 | 17 | 18 | 17 | 18 | 0.7 | 240.1 | 71.2 | 72.0 | 992.1 | 0.0 |
| | 12:45 | 15 | 25 | 20 | 19 | 19 | 0.6 | 244.5 | 71.5 | 71.0 | 992.1 | 0.0 |
| | 13:00 | 15 | 27 | 20 | 18 | 18 | 0.7 | 250.5 | 72.1 | 69.0 | 991.8 | 0.0 |
| | 13:15 | 14 | 19 | 20 | 19 | 19 | 0.7 | 266.8 | 73.5 | 66.0 | 991.7 | 0.0 |
| | 13:30 | 15 | 18 | 20 | 19 | 18 | 1.0 | 272.3 | 73.4 | 68.0 | 991.7 | 0.0 |
| | 13:45 | 20 | 22 | 21 | 21 | 21 | 0.6 | 285.8 | 75.0 | 65.0 | 991.6 | 0.0 |
| | 14:00 | 14 | 23 | 19 | 19 | 19 | 1.2 | 261.7 | 74.9 | 66.0 | 991.6 | 0.0 |
| | 14:15 | 13 | 19 | 16 | 16 | 15 | 0.8 | 293.4 | 74.9 | 66.0 | 991.6 | 0.0 |
| | 14:30 | 12 | 20 | 15 | 14 | 14 | 0.7 | 283.0 | 74.5 | 66.0 | 991.5 | 0.0 |
| | 14:45 | 10 | 24 | 15 | 19 | 20 | 0.6 | 287.5 | 74.4 | 66.0 | 991.4 | 0.0 |
| | 15:00 | 10 | 15 | 15 | 14 | 14 | 0.6 | 269.7 | 74.0 | 67.0 | 991.4 | 0.0 |
| | 15:15 | 9 | 14 | 13 | 13 | 12 | 0.5 | 286.5 | 74.4 | 66.0 | 991.3 | 0.0 |
| | 15:30 | 8 | 15 | 9 | 12 | 12 | 0.6 | 314.5 | 74.6 | 66.0 | 991.4 | 0.0 |
| | 15:45 | 8 | 17 | 13 | 14 | 14 | 0.8 | 315.1 | 74.5 | 66.0 | 991.4 | 0.0 |
| | 16:00 | 8 | 14 | 13 | 12 | 12 | 0.5 | 318.7 | 74.5 | 67.0 | 991.5 | 0.0 |
| | 16:15 | 10 | 13 | 13 | 12 | 12 | 0.5 | 313.8 | 74.4 | 67.0 | 991.5 | 0.0 |
| | 16:30 | 8 | 29 | 13 | 13 | 13 | 0.6 | 310.3 | 74.1 | 68.0 | 991.5 | 0.0 |
| | 16:45 | 8 | 12 | 13 | 13 | 12 | 0.7 | 325.0 | 73.4 | 69.0 | 991.5 | 0.0 |
| | 17:00 | 7 | 12 | 10 | 12 | 12 | 0.7 | 311.2 | 73.0 | 69.0 | 991.3 | 0.0 |
| | 17:15 | 6 | 9 | 10 | 10 | 9 | 0.6 | 275.2 | 72.7 | 69.0 | 991.3 | 0.0 |
| | 17:30 | 6 | 9 | 9 | 9 | 8 | 0.5 | 291.8 | 72.9 | 70.0 | 991.4 | 0.0 |
| | 17:45 | 6 | 9 | 9 | 8 | 9 | 0.5 | 297.0 | 72.8 | 70.0 | 991.6 | 0.0 |
| | 18:00 | 6 | 9 | 10 | 9 | 9 | 0.5 | 304.7 | 72.8 | 70.0 | 991.6 | 0.0 |
| | 18:15 | 6 | 8 | 8 | 8 | 8 | 0.5 | 311.3 | 72.6 | 70.0 | 991.7 | 0.0 |
| | 18:30 | 6 | 8 | 8 | 8 | 8 | 0.6 | 340.7 | 72.3 | 70.0 | 991.6 | 0.0 |
| | 18:45 | 6 | 8 | 8 | 8 | 8 | 0.4 | 290.0 | 72.0 | 71.0 | 991.7 | 0.0 |
| | 19:00 | 5 | 7 | 7 | 7 | 7 | 0.4 | 340.8 | 71.6 | 72.0 | 991.7 | 0.0 |
| | 19:15 | 4 | 6 | 6 | 6 | 6 | 0.4 | 336.9 | 71.1 | 72.0 | 991.7 | 0.0 |
| | 19:30 | 3 | 5 | 5 | 5 | 5 | 0.4 | 311.6 | 70.8 | 73.0 | 991.7 | 0.0 |
| | 19:45 | 3 | 5 | 5 | 5 | 5 | 0.5 | 307.4 | 70.5 | 73.0 | 991.7 | 0.0 |
| | 20:00 | 4 | 6 | 6 | 5 | 5 | 0.4 | 308.7 | 70.3 | 74.0 | 991.9 | 0.0 |
| | 20:15 | 4 | 6 | 6 | 5 | 5 | 0.5 | 306.6 | 70.2 | 74.0 | 992.1 | 0.0 |
| | 20:30 | 4 | 7 | 7 | 6 | 6 | 0.5 | 310.2 | 70.0 | 74.0 | 992.3 | 0.0 |
| | 20:45 | 3 | 5 | 5 | 5 | 5 | 0.5 | 305.7 | 69.8 | 75.0 | 992.3 | 0.0 |
| | 21:00 | 3 | 5 | 5 | 5 | 5 | 0.4 | 348.2 | 69.7 | 75.0 | 992.4 | 0.0 |
| | 21:15 | 3 | 5 | 5 | 4 | 4 | 0.5 | 343.8 | 69.5 | 76.0 | 992.5 | 0.0 |
| | 21:30 | 2 | 4 | 4 | 4 | 4 | 0.4 | 335.0 | 69.2 | 77.0 | 992.5 | 0.0 |
| | 21:45 | 2 | 4 | 4 | 4 | 4 | 0.5 | 335.1 | 68.9 | 78.0 | 992.6 | 0.0 |
| | 22:00 | 3 | 5 | 5 | 4 | 4 | 0.4 | 326.8 | 68.6 | 78.0 | 992.8 | 0.0 |
| | 22:15 | 3 | 5 | 5 | 4 | 4 | 0.4 | 314.7 | 68.5 | 79.0 | 992.9 | 0.0 |
| | 22:30 | 3 | 5 | 4 | 4 | 4 | 0.4 | 318.9 | 68.2 | 79.0 | 993.1 | 0.0 |
| | 22:45 | 2 | 4 | 4 | 3 | 3 | 0.4 | 289.3 | 67.9 | 80.0 | 993.2 | 0.0 |
| | 23:00 | 3 | 4 | 4 | 4 | 4 | 0.4 | 299.5 | 67.8 | 80.0 | 993.3 | 0.0 |
| | 23:15 | 2 | 4 | 4 | 4 | 4 | 0.4 | 302.1 | 67.8 | 80.0 | 993.3 | 0.0 |
| | 23:30 | 1 | 3 | 3 | 3 | 3 | 0.5 | 306.4 | 67.7 | 80.0 | 993.3 | 0.0 |
| | 23:45 | 1 | 3 | 3 | 3 | 3 | 0.5 | 316.5 | 67.6 | 80.0 | 993.2 | 0.0 |
| | 00:00 | 1 | 3 | 3 | 2 | 2 | 0.6 | 337.4 | 67.6 | 80.0 | 993.0 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/8/2023 | 00:15 | 2 | 2 | 3 | 3 | 2 | 0.7 | 341.1 | 67.4 | 81.0 | 992.9 | 0.0 |
| | 00:30 | 2 | 3 | 3 | 3 | 2 | 0.6 | 5.3 | 67.1 | 82.0 | 992.8 | 0.0 |
| | 00:45 | 2 | 2 | 2 | 2 | 2 | 0.3 | 348.6 | 66.7 | 83.0 | 993.0 | 0.0 |
| | 01:00 | 2 | 2 | 3 | 2 | 2 | 0.3 | 14.1 | 66.2 | 85.0 | 992.9 | 0.0 |
| | 01:15 | 2 | 2 | 2 | 2 | 2 | 0.3 | 285.6 | 65.1 | 87.0 | 992.9 | 0.0 |
| | 01:30 | 2 | 2 | 2 | 2 | 2 | 0.4 | 328.8 | 63.8 | 90.0 | 992.7 | 0.0 |
| | 01:45 | 2 | 2 | 2 | 3 | 2 | 0.3 | 2.7 | 63.2 | 91.0 | 992.7 | 0.0 |
| | 02:00 | 2 | 2 | 3 | 2 | 2 | 0.5 | 294.5 | 62.4 | 93.0 | 992.8 | 0.0 |
| | 02:15 | 2 | 2 | 2 | 2 | 2 | 0.6 | 285.3 | 62.3 | 93.0 | 993.1 | 0.0 |
| | 02:30 | 2 | 2 | 2 | 2 | 2 | 0.5 | 308.6 | 61.9 | 94.0 | 993.3 | 0.0 |
| | 02:45 | 2 | 2 | 3 | 2 | 2 | 0.5 | 308.2 | 61.4 | 94.0 | 993.3 | 0.0 |
| | 03:00 | 2 | 2 | 3 | 3 | 2 | 0.4 | 322.1 | 61.1 | 95.0 | 993.6 | 0.0 |
| | 03:15 | 2 | 2 | 3 | 2 | 2 | 0.4 | 317.4 | 61.0 | 96.0 | 993.5 | 0.0 |
| | 03:30 | 2 | 2 | 3 | 2 | 2 | 0.4 | 317.8 | 60.8 | 96.0 | 993.6 | 0.0 |
| | 03:45 | 2 | 2 | 3 | 2 | 2 | 0.4 | 320.5 | 60.6 | 96.0 | 993.6 | 0.0 |
| | 04:00 | 2 | 2 | 3 | 2 | 2 | 0.5 | 319.1 | 60.5 | 97.0 | 993.4 | 0.0 |
| | 04:15 | 2 | 2 | 3 | 2 | Offline | 0.5 | 320.7 | 60.6 | 97.0 | 993.2 | 0.0 |
| | 04:30 | 3 | 3 | 3 | 3 | Offline | 0.5 | 300.9 | 60.6 | 97.0 | 993.3 | 0.0 |
| | 04:45 | 2 | 2 | 3 | 2 | Offline | 0.5 | 304.0 | 60.6 | 97.0 | 993.2 | 0.0 |
| | 05:00 | 2 | 2 | Offline | 2 | Offline | 0.5 | 311.2 | 60.4 | 97.0 | 993.3 | 0.0 |
| | 05:15 | 2 | 2 | Offline | 2 | Offline | 0.5 | 308.7 | 60.4 | 97.0 | 993.5 | 0.0 |
| | 05:30 | 2 | 2 | Offline | Offline | Offline | 0.5 | 302.3 | 60.1 | 97.0 | 993.7 | 0.0 |
| | 05:45 | 2 | 2 | Offline | Offline | Offline | 0.5 | 306.6 | 60.0 | 97.0 | 993.8 | 0.0 |
| | 06:00 | 2 | 2 | Offline | Offline | Offline | 0.6 | 318.2 | 59.8 | 97.0 | 994.0 | 0.0 |
| | 06:15 | 3 | 3 | Offline | Offline | Offline | 0.6 | 332.5 | 59.6 | 97.0 | 994.1 | 0.0 |
| | 06:30 | 2 | 2 | Offline | Offline | Offline | 0.5 | 307.6 | 59.6 | 97.0 | 994.4 | 0.0 |
| | 06:45 | 2 | 2 | Offline | Offline | Offline | 0.5 | 304.7 | 59.6 | 97.0 | 994.5 | 0.0 |
| | 07:00 | 3 | 2 | Offline | Offline | Offline | 0.4 | 316.3 | 60.6 | 96.0 | 994.7 | 0.0 |
| | 07:15 | 3 | 3 | Offline | Offline | Offline | 0.4 | 301.0 | 62.1 | 92.0 | 994.8 | 0.0 |
| | 07:30 | 3 | 7 | 3 | Offline | Offline | 0.4 | 295.5 | 62.8 | 91.0 | 995.1 | 0.0 |
| | 07:45 | 1 | 6 | Offline | Offline | Offline | 0.5 | 306.7 | 63.0 | 91.0 | 995.3 | 0.0 |
| | 08:00 | 2 | 4 | Offline | Offline | Offline | 0.5 | 294.8 | 63.4 | 89.0 | 995.4 | 0.0 |
| | 08:15 | 2 | 2 | 1 | Offline | Offline | 0.5 | 291.2 | 64.3 | 88.0 | 995.5 | 0.0 |
| | 08:30 | 2 | 4 | 2 | Offline | Offline | 0.5 | 335.7 | 66.4 | 83.0 | 995.5 | 0.0 |
| | 08:45 | 2 | 11 | 2 | 0 | 1 | 0.8 | 13.7 | 68.0 | 80.0 | 995.5 | 0.0 |
| | 09:00 | 3 | 4 | 3 | 3 | 2 | 0.7 | 348.4 | 70.6 | 76.0 | 995.5 | 0.0 |
| | 09:15 | 2 | 22 | 3 | 4 | 4 | 0.8 | 356.4 | 71.4 | 76.0 | 995.6 | 0.0 |
| | 09:30 | 3 | 11 | 3 | 6 | 4 | 0.8 | 299.8 | 72.2 | 72.0 | 995.6 | 0.0 |
| | 09:45 | 3 | 9 | 4 | 6 | 5 | 0.8 | 343.9 | 72.4 | 73.0 | 995.7 | 0.0 |
| | 10:00 | 4 | 17 | 5 | 7 | 6 | 0.9 | 330.6 | 71.4 | 74.0 | 995.8 | 0.0 |
| | 10:15 | 5 | 7 | 6 | 8 | 7 | 0.7 | 347.5 | 72.0 | 72.0 | 995.9 | 0.0 |
| | 10:30 | 6 | 8 | 8 | 9 | 9 | 0.9 | 67.4 | 71.1 | 72.0 | 995.8 | 0.0 |
| | 10:45 | 8 | 11 | 8 | 10 | 9 | 1.0 | 348.9 | 75.0 | 59.0 | 995.6 | 0.0 |
| | 11:00 | 4 | 11 | 6 | 6 | 5 | 0.8 | 328.2 | 74.3 | 63.0 | 995.6 | 0.0 |
| | 11:15 | 3 | 4 | 5 | 6 | 6 | 0.7 | 286.7 | 73.7 | 63.0 | 995.6 | 0.0 |
| | 11:30 | 4 | 27 | 4 | 5 | 5 | 0.9 | 341.2 | 75.6 | 61.0 | 995.5 | 0.0 |
| | 11:45 | 4 | 7 | 7 | 7 | 7 | 0.9 | 342.6 | 74.8 | 60.0 | 995.5 | 0.0 |
| | 12:00 | 4 | 5 | 7 | 8 | 7 | 0.9 | 307.3 | 76.9 | 55.0 | 995.4 | 0.0 |
| | 12:15 | 4 | 5 | 5 | 6 | 5 | 0.9 | 349.4 | 78.1 | 49.0 | 995.4 | 0.0 |
| | 12:30 | 4 | 5 | 6 | 7 | 6 | 1.0 | 264.2 | 80.1 | 45.0 | 995.3 | 0.0 |
| | 12:45 | 4 | 28 | 6 | 7 | 6 | 1.4 | 60.9 | 80.2 | 44.0 | 995.1 | 0.0 |
| | 13:00 | 7 | 13 | 6 | 7 | 7 | 0.9 | 358.3 | 78.8 | 50.0 | 995.1 | 0.0 |
| | 13:15 | 3 | 6 | 6 | 7 | 7 | 1.2 | 4.5 | 79.1 | 47.0 | 994.9 | 0.0 |
| | 13:30 | 3 | 5 | 4 | 6 | 6 | 1.3 | 14.4 | 79.4 | 46.0 | 994.8 | 0.0 |
| | 13:45 | 3 | 6 | 4 | 7 | 6 | 1.0 | 335.0 | 81.1 | 44.0 | 994.7 | 0.0 |
| | 14:00 | 2 | 5 | 4 | 6 | 6 | 1.3 | 337.1 | 81.2 | 50.0 | 994.6 | 0.0 |
| | 14:15 | 2 | 4 | 3 | 6 | 5 | 0.8 | 331.7 | 79.0 | 49.0 | 994.5 | 0.0 |
| | 14:30 | 2 | 4 | 3 | 5 | 5 | 1.9 | 28.6 | 79.1 | 51.0 | 994.4 | 0.0 |
| | 14:45 | 2 | 4 | 3 | 5 | 5 | 1.6 | 19.0 | 78.5 | 52.0 | 994.2 | 0.0 |
| | 15:00 | 2 | 4 | 3 | 5 | 5 | 1.9 | 33.4 | 77.0 | 55.0 | 994.2 | 0.0 |
| | 15:15 | 2 | 6 | 5 | 8 | 7 | 1.8 | 23.4 | 76.9 | 53.0 | 994.1 | 0.0 |
| | 15:30 | 2 | 5 | 3 | 5 | 4 | 1.3 | 31.8 | 77.6 | 50.0 | 994.2 | 0.0 |
| | 15:45 | 2 | 3 | 2 | 7 | 7 | 2.2 | 40.4 | 76.4 | 55.0 | 994.2 | 0.0 |
| | 16:00 | 2 | 3 | 2 | 9 | 9 | 1.6 | 44.6 | 77.6 | 51.0 | 994.2 | 0.0 |
| | 16:15 | 3 | 3 | 1 | 8 | 8 | 2.1 | 40.0 | 76.4 | 51.0 | 994.4 | 0.0 |
| | 16:30 | 1 | 2 | 1 | 7 | 6 | 1.6 | 6.7 | 77.0 | 50.0 | 994.4 | 0.0 |
| | 16:45 | 1 | 2 | 2 | 4 | 4 | 1.9 | 15.0 | 77.0 | 52.0 | 994.4 | 0.0 |
| | 17:00 | 1 | 2 | 1 | 5 | 5 | 1.5 | 10.3 | 76.8 | 50.0 | 994.5 | 0.0 |
| | 17:15 | 1 | 2 | 1 | 5 | 4 | 1.3 | 7.4 | 76.4 | 52.0 | 994.5 | 0.0 |
| | 17:30 | 2 | 3 | 2 | 4 | 4 | 1.7 | 13.4 | 75.5 | 53.0 | 994.6 | 0.0 |
| | 17:45 | 2 | 3 | 2 | 3 | 2 | 2.3 | 24.8 | 74.1 | 56.0 | 994.7 | 0.0 |
| | 18:00 | 2 | 3 | 3 | 3 | 3 | 2.0 | 16.1 | 73.0 | 58.0 | 994.8 | 0.0 |
| | 18:15 | 2 | 2 | 1 | 3 | 2 | 1.6 | 15.2 | 72.2 | 58.0 | 994.9 | 0.0 |
| | 18:30 | 2 | 2 | 2 | 3 | 2 | 1.8 | 30.7 | 71.5 | 59.0 | 995.0 | 0.0 |
| | 18:45 | 2 | 2 | 2 | 3 | 2 | 1.4 | 21.3 | 70.7 | 61.0 | 995.0 | 0.0 |
| | 19:00 | 2 | 2 | 2 | 3 | 2 | 1.4 | 26.7 | 70.1 | 62.0 | 995.1 | 0.0 |
| | 19:15 | 2 | 2 | 1 | 3 | 2 | 1.3 | 29.0 | 69.2 | 64.0 | 995.3 | 0.0 |
| | 19:30 | 2 | 3 | 2 | 3 | 2 | 1.0 | 7.9 | 68.6 | 65.0 | 995.4 | 0.0 |
| | 19:45 | 2 | 2 | 2 | 3 | 2 | 1.0 | 16.0 | 68.0 | 66.0 | 995.6 | 0.0 |
| | 20:00 | 2 | 3 | 2 | 3 | 2 | 0.9 | 19.3 | 67.3 | 66.0 | 995.8 | 0.0 |
| | 20:15 | 2 | 2 | 2 | 3 | 2 | 0.8 | 9.9 | 66.9 | 67.0 | 995.9 | 0.0 |
| | 20:30 | 2 | 2 | 2 | 3 | 2 | 1.0 | 3.1 | 66.4 | 68.0 | 996.1 | 0.0 |
| | 20:45 | 2 | 2 | 2 | 3 | 2 | 1.0 | 351.5 | 65.9 | 70.0 | 996.3 | 0.0 |
| | 21:00 | 2 | 2 | 1 | 2 | 2 | 0.8 | 3.1 | 65.2 | 71.0 | 996.4 | 0.0 |
| | 21:15 | 2 | 2 | 2 | 3 | 2 | 0.9 | 13.4 | 64.7 | 73.0 | 996.5 | 0.0 |
| | 21:30 | 2 | 2 | 1 | 3 | 2 | 1.0 | 10.5 | 64.1 | 75.0 | 996.6 | 0.0 |
| | 21:45 | 2 | 2 | 1 | 2 | 2 | 1.3 | 24.2 | 63.7 | 78.0 | 996.8 | 0.0 |
| | 22:00 | 1 | 2 | 1 | 2 | 2 | 1.1 | 13.3 | 62.5 | 81.0 | 996.9 | 0.0 |
| | 22:15 | 1 | 1 | 1 | 2 | 1 | 1.2 | 32.6 | 62.2 | 83.0 | 997.0 | 0.0 |
| | 22:30 | 1 | 1 | 1 | 2 | 1 | 1.2 | 43.3 | 61.5 | 85.0 | 997.1 | 0.0 |
| | 22:45 | 1 | 1 | 1 | 2 | 1 | 0.9 | 20.1 | 61.2 | 86.0 | 997.1 | 0.0 |
| | 23:00 | 1 | 1 | 1 | 2 | 1 | 0.8 | 14.5 | 61.1 | 87.0 | 997.2 | 0.0 |
| | 23:15 | 2 | 2 | 2 | 3 | 2 | 0.5 | 336.0 | 60.9 | 87.0 | 997.2 | 0.0 |
| | 23:30 | 2 | 2 | 2 | 3 | 2 | 0.7 | 344.3 | 60.3 | 88.0 | 997.3 | 0.0 |
| | 23:45 | 2 | 3 | 2 | 3 | 3 | 0.9 | 20.7 | 60.2 | 89.0 | 997.3 | 0.0 |
| | 00:00 | 3 | 3 | 3 | 4 | 3 | 0.6 | 3.1 | 60.0 | 89.0 | 997.3 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/9/2023 | 00:15 | 3 | 4 | 4 | 3 | 4 | 0.6 | 341.6 | 59.7 | 91.0 | 997.3 | 0.0 |
| | 00:30 | 3 | 4 | 4 | 4 | 4 | 0.5 | 326.3 | 59.1 | 92.0 | 997.3 | 0.0 |
| | 00:45 | 3 | 4 | 5 | 4 | 4 | 0.4 | 328.0 | 58.7 | 92.0 | 997.2 | 0.0 |
| | 01:00 | 4 | 4 | 5 | 4 | 5 | 0.4 | 332.0 | 58.5 | 94.0 | 997.2 | 0.0 |
| | 01:15 | 4 | 5 | 6 | 5 | 6 | 0.4 | 336.4 | 58.6 | 95.0 | 997.1 | 0.0 |
| | 01:30 | 6 | 6 | 7 | 6 | 7 | 0.4 | 340.3 | 58.5 | 95.0 | 997.1 | 0.0 |
| | 01:45 | 6 | 7 | 7 | 7 | 7 | 0.6 | 354.1 | 58.8 | 95.0 | 997.0 | 0.0 |
| | 02:00 | 6 | 8 | 8 | 7 | 8 | 0.8 | 351.5 | 59.0 | 95.0 | 997.0 | 0.0 |
| | 02:15 | 5 | 8 | 8 | 7 | 7 | 0.9 | 3.7 | 58.9 | 95.0 | 996.9 | 0.0 |
| | 02:30 | 6 | 7 | 6 | 6 | 7 | 0.6 | 342.1 | 58.5 | 94.0 | 997.0 | 0.0 |
| | 02:45 | 4 | 5 | 6 | 5 | 5 | 0.5 | 329.6 | 58.0 | 95.0 | 997.0 | 0.0 |
| | 03:00 | 4 | 4 | 5 | 5 | 5 | 0.5 | 330.7 | 57.7 | 95.0 | 997.0 | 0.0 |
| | 03:15 | 3 | 4 | 5 | 4 | 5 | 0.5 | 312.7 | 57.5 | 96.0 | 997.1 | 0.0 |
| | 03:30 | 3 | 4 | 5 | 4 | 4 | 0.6 | 308.7 | 57.5 | 96.0 | 997.1 | 0.0 |
| | 03:45 | 4 | 4 | 5 | 4 | 4 | 0.5 | 311.7 | 57.5 | 96.0 | 997.1 | 0.0 |
| | 04:00 | 4 | 4 | 5 | 4 | 4 | 0.6 | 338.4 | 58.0 | 96.0 | 997.1 | 0.0 |
| | 04:15 | 4 | 5 | 5 | 4 | 5 | 0.9 | 355.5 | 59.1 | 93.0 | 997.1 | 0.0 |
| | 04:30 | 4 | 5 | 6 | 5 | 5 | 0.9 | 358.0 | 59.6 | 92.0 | 997.1 | 0.0 |
| | 04:45 | 4 | 5 | 6 | 5 | 6 | 0.9 | 353.4 | 60.1 | 91.0 | 997.2 | 0.0 |
| | 05:00 | 5 | 6 | 7 | 6 | 6 | 0.8 | 354.6 | 60.5 | 90.0 | 997.4 | 0.0 |
| | 05:15 | 5 | 7 | 7 | 6 | 7 | 1.0 | 359.7 | 60.6 | 90.0 | 997.5 | 0.0 |
| | 05:30 | 6 | 7 | 7 | 7 | 7 | 1.0 | 359.5 | 60.4 | 90.0 | 997.5 | 0.0 |
| | 05:45 | 6 | 8 | 8 | 7 | 8 | 0.8 | 349.7 | 59.9 | 91.0 | 997.6 | 0.0 |
| | 06:00 | 7 | 8 | 9 | 8 | 8 | 1.0 | 343.8 | 59.5 | 92.0 | 997.7 | 0.0 |
| | 06:15 | 7 | 8 | 9 | 8 | 9 | 0.9 | 349.7 | 58.9 | 93.0 | 997.8 | 0.0 |
| | 06:30 | 8 | 9 | 10 | 9 | 10 | 0.8 | 350.6 | 58.4 | 93.0 | 998.2 | 0.0 |
| | 06:45 | 9 | 10 | 10 | 10 | 10 | 1.0 | 353.2 | 58.1 | 93.0 | 998.3 | 0.0 |
| | 07:00 | 9 | 10 | 11 | 10 | 11 | 0.7 | 345.1 | 58.9 | 90.0 | 998.4 | 0.0 |
| | 07:15 | 9 | 12 | 13 | 10 | 11 | 0.6 | 333.4 | 60.5 | 87.0 | 998.4 | 0.0 |
| | 07:30 | 9 | 12 | 13 | 10 | 11 | 0.6 | 333.4 | 60.5 | 87.0 | 998.4 | 0.0 |
| | 07:45 | 9 | 12 | 13 | 10 | 11 | 0.6 | 333.4 | 60.5 | 87.0 | 998.4 | 0.0 |
| | 08:00 | 9 | 12 | 13 | 10 | 11 | 0.6 | 333.4 | 60.5 | 87.0 | 998.4 | 0.0 |
| | 08:15 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 08:30 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 08:45 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 09:00 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 09:15 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 09:30 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 09:45 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 10:00 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 10:15 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 10:30 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 10:45 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 11:00 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 11:15 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 11:30 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 11:45 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 12:00 | 6 | 9 | 11 | 10 | 11 | 0.8 | 348.0 | 61.6 | 87.0 | 998.6 | 0.0 |
| | 12:15 | 7 | 6 | 7 | 7 | 8 | 0.9 | 349.7 | 62.4 | 84.0 | 998.6 | 0.0 |
| | 12:30 | 8 | 11 | 11 | 10 | 9 | 1.0 | 11.3 | 63.0 | 82.0 | 998.6 | 0.0 |
| | 12:45 | 8 | 11 | 11 | 10 | 9 | 1.0 | 11.3 | 63.0 | 82.0 | 998.6 | 0.0 |
| | 13:00 | 8 | 11 | 11 | 10 | 9 | 1.0 | 11.3 | 63.0 | 82.0 | 998.6 | 0.0 |
| | 13:15 | 8 | 11 | 11 | 10 | 9 | 1.0 | 11.3 | 63.0 | 82.0 | 998.6 | 0.0 |
| | 13:30 | 8 | 11 | 10 | 10 | 10 | 1.0 | 1.1 | 63.6 | 81.0 | 998.8 | 0.0 |
| | 13:45 | 8 | 10 | 9 | 9 | 9 | 1.1 | 10.9 | 64.0 | 80.0 | 998.8 | 0.0 |
| | 14:00 | 7 | 9 | 9 | 10 | 10 | 1.3 | 16.4 | 64.9 | 75.0 | 998.8 | 0.0 |
| | 14:15 | 7 | 9 | 9 | 11 | 11 | 1.3 | 5.3 | 66.8 | 70.0 | 998.9 | 0.0 |
| | 14:30 | 8 | 9 | 10 | 10 | 10 | 1.4 | 11.2 | 67.7 | 67.0 | 998.8 | 0.0 |
| | 14:45 | 8 | 10 | 10 | 10 | 10 | 1.8 | 27.6 | 68.7 | 65.0 | 999.0 | 0.0 |
| | 15:00 | 9 | 11 | 11 | 11 | 11 | 1.7 | 17.9 | 69.3 | 64.0 | 999.2 | 0.0 |
| | 15:15 | 9 | 10 | 11 | 11 | 11 | 1.9 | 32.4 | 69.9 | 64.0 | 999.3 | 0.0 |
| | 15:30 | 9 | 10 | 11 | 10 | 10 | 1.5 | 27.0 | 70.7 | 60.0 | 999.4 | 0.0 |
| | 15:45 | 9 | 10 | 10 | 10 | 10 | 1.7 | 23.0 | 71.1 | 60.0 | 999.5 | 0.0 |
| | 16:00 | 9 | 10 | 10 | 10 | 10 | 1.8 | 29.5 | 71.7 | 58.0 | 999.3 | 0.0 |
| | 16:15 | 9 | 10 | 10 | 10 | 10 | 1.9 | 11.8 | 72.7 | 55.0 | 999.3 | 0.0 |
| | 16:30 | 8 | 10 | 10 | 10 | 10 | 1.5 | 10.2 | 74.4 | 53.0 | 999.2 | 0.0 |
| | 16:45 | 8 | 9 | 10 | 10 | 10 | 1.8 | 14.1 | 75.0 | 51.0 | 999.2 | 0.0 |
| | 17:00 | 7 | 9 | 10 | 11 | 11 | 1.8 | 3.6 | 75.0 | 50.0 | 999.1 | 0.0 |
| | 17:15 | 7 | 9 | 9 | 9 | 9 | 1.5 | 1.2 | 76.4 | 47.0 | 999.0 | 0.0 |
| | 17:30 | 6 | 9 | 9 | 9 | 9 | 1.7 | 356.5 | 76.9 | 47.0 | 998.8 | 0.0 |
| | 17:45 | 7 | 9 | 10 | 10 | 10 | 1.7 | 12.0 | 77.2 | 48.0 | 998.5 | 0.0 |
| | 18:00 | 7 | 9 | 10 | 11 | 11 | 1.6 | 13.4 | 76.7 | 47.0 | 998.5 | 0.0 |
| | 18:15 | 7 | 9 | 9 | 10 | 10 | 1.5 | 4.9 | 78.0 | 45.0 | 998.4 | 0.0 |
| | 18:30 | 6 | 9 | 9 | 10 | 10 | 1.3 | 347.2 | 78.3 | 43.0 | 998.3 | 0.0 |
| | 18:45 | 6 | 9 | 9 | 11 | 11 | 1.4 | 355.9 | 79.9 | 42.0 | 998.2 | 0.0 |
| | 19:00 | 6 | 8 | 9 | 10 | 10 | 1.9 | 26.6 | 79.2 | 44.0 | 998.1 | 0.0 |
| | 19:15 | 5 | 8 | 9 | 9 | 9 | 1.4 | 358.1 | 79.1 | 41.0 | 997.9 | 0.0 |
| | 19:30 | 5 | 8 | 8 | 9 | 9 | 1.3 | 359.8 | 79.4 | 42.0 | 997.8 | 0.0 |
| | 19:45 | 5 | 8 | 8 | 8 | 8 | 1.3 | 343.0 | 80.9 | 39.0 | 997.6 | 0.0 |
| | 20:00 | 4 | 8 | 7 | 8 | 8 | 1.3 | 336.1 | 81.4 | 39.0 | 997.4 | 0.0 |
| | 20:15 | 5 | 8 | 7 | 9 | 9 | 1.8 | 9.5 | 80.4 | 40.0 | 997.2 | 0.0 |
| | 20:30 | 5 | 8 | 7 | 8 | 9 | 1.5 | 350.0 | 80.8 | 39.0 | 997.0 | 0.0 |
| | 20:45 | 5 | 9 | 8 | 9 | 9 | 1.5 | 353.8 | 80.8 | 37.0 | 997.1 | 0.0 |
| | 21:00 | 6 | 9 | 8 | 9 | 9 | 2.2 | 42.1 | 78.9 | 40.0 | 997.1 | 0.0 |
| | 21:15 | 6 | 9 | 8 | 10 | 10 | 2.0 | 23.2 | 79.0 | 39.0 | 997.0 | 0.0 |
| | 21:30 | 8 | 10 | 9 | 13 | 13 | 1.7 | 24.2 | 79.1 | 38.0 | 996.8 | 0.0 |
| | 21:45 | 7 | 10 | 8 | 11 | 11 | 2.0 | 24.1 | 78.3 | 37.0 | 996.8 | 0.0 |
| | 22:00 | 7 | 9 | 8 | 10 | 10 | 1.7 | 13.7 | 78.6 | 37.0 | 996.9 | 0.0 |
| | 22:15 | 6 | 9 | 8 | 9 | 9 | 1.0 | 349.5 | 79.5 | 36.0 | 996.8 | 0.0 |
| | 22:30 | 6 | 8 | 7 | 9 | 9 | 1.3 | 357.1 | 78.8 | 37.0 | 996.9 | 0.0 |
| | 22:45 | 6 | 8 | 7 | 8 | 8 | 1.2 | 353.0 | 78.2 | 41.0 | 997.0 | 0.0 |
| | 23:00 | 7 | 8 | 7 | 8 | 8 | 1.6 | 20.6 | 76.8 | 43.0 | 997.1 | 0.0 |
| | 23:15 | 7 | 9 | 8 | 9 | 8 | 1.5 | 25.5 | 75.9 | 45.0 | 997.2 | 0.0 |
| | 23:30 | 7 | 8 | 8 | 8 | 8 | 1.4 | 352.1 | 75.2 | 47.0 | 997.3 | 0.0 |
| | 23:45 | 7 | 9 | 8 | 8 | 8 | 0.9 | 2.1 | 74.6 | 48.0 | 997.3 | 0.0 |
| | 00:00 | 8 | 9 | 8 | 9 | 9 | 1.1 | 4.5 | 73.8 | 50.0 | 997.2 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/10/2023 | 00:15 | 7 | 8 | 8 | 8 | 8 | 0.7 | 357.5 | 72.9 | 52.0 | 997.2 | 0.0 |
| | 00:30 | 7 | 9 | 9 | 9 | 9 | 0.6 | 15.6 | 71.9 | 54.0 | 997.1 | 0.0 |
| | 00:45 | 8 | 10 | 10 | 10 | 10 | 0.6 | 34.2 | 71.0 | 57.0 | 997.2 | 0.0 |
| | 01:00 | 8 | 9 | 9 | 9 | 9 | 0.5 | 55.2 | 70.0 | 59.0 | 997.3 | 0.0 |
| | 01:15 | 9 | 10 | 10 | 10 | 10 | 0.4 | 3.0 | 69.2 | 61.0 | 997.5 | 0.0 |
| | 01:30 | 9 | 11 | 11 | 11 | 11 | 0.3 | 356.1 | 68.3 | 63.0 | 997.6 | 0.0 |
| | 01:45 | 9 | 11 | 10 | 11 | 10 | 0.4 | 360.0 | 67.7 | 64.0 | 997.7 | 0.0 |
| | 02:00 | 10 | 10 | 10 | 10 | 10 | 0.4 | 326.4 | 67.3 | 66.0 | 997.8 | 0.0 |
| | 02:15 | 8 | 9 | 10 | 10 | 9 | 0.4 | 304.3 | 66.2 | 68.0 | 997.9 | 0.0 |
| | 02:30 | 8 | 9 | 10 | 9 | 9 | 0.4 | 309.9 | 65.4 | 72.0 | 998.0 | 0.0 |
| | 02:45 | 7 | 9 | 9 | 8 | 8 | 0.3 | 291.7 | 64.3 | 74.0 | 998.0 | 0.0 |
| | 03:00 | 8 | 9 | 9 | 8 | 9 | 0.3 | 346.0 | 63.2 | 77.0 | 998.0 | 0.0 |
| | 03:15 | 8 | 10 | 9 | 9 | 9 | 0.4 | 334.0 | 62.4 | 78.0 | 998.1 | 0.0 |
| | 03:30 | 10 | 10 | 9 | 9 | 9 | 0.4 | 320.9 | 61.9 | 80.0 | 998.1 | 0.0 |
| | 03:45 | 9 | 11 | 10 | 10 | 10 | 0.4 | 326.0 | 61.4 | 81.0 | 998.2 | 0.0 |
| | 04:00 | 9 | 10 | 10 | 9 | 10 | 0.4 | 321.0 | 61.1 | 81.0 | 998.2 | 0.0 |
| | 04:15 | 9 | 10 | 10 | 10 | 10 | 0.4 | 326.6 | 60.7 | 83.0 | 998.2 | 0.0 |
| | 04:30 | 9 | 10 | 10 | 11 | 10 | 0.4 | 313.7 | 60.3 | 83.0 | 998.1 | 0.0 |
| | 04:45 | 10 | 11 | 12 | 11 | 11 | 0.3 | 352.5 | 60.1 | 84.0 | 998.1 | 0.0 |
| | 05:00 | 10 | 10 | 10 | 10 | 10 | 0.5 | 334.4 | 59.7 | 85.0 | 998.2 | 0.0 |
| | 05:15 | 10 | 11 | 10 | 9 | 10 | 0.4 | 327.6 | 59.2 | 87.0 | 998.2 | 0.0 |
| | 05:30 | 10 | 11 | 10 | 11 | 11 | 0.3 | 359.8 | 58.9 | 88.0 | 998.0 | 0.0 |
| | 05:45 | 10 | 11 | 10 | 10 | 10 | 0.5 | 349.6 | 58.8 | 88.0 | 998.2 | 0.0 |
| | 06:00 | 11 | 12 | 12 | 11 | 11 | 0.3 | 286.9 | 58.9 | 89.0 | 998.3 | 0.0 |
| | 06:15 | 9 | 11 | 11 | 10 | 10 | 0.4 | 43.5 | 58.9 | 88.0 | 998.1 | 0.0 |
| | 06:30 | 9 | 10 | 10 | 9 | 8 | 0.4 | 1.1 | 58.9 | 89.0 | 997.9 | 0.0 |
| | 06:45 | 8 | 9 | 9 | 8 | 8 | 0.4 | 359.6 | 58.7 | 89.0 | 997.9 | 0.0 |
| | 07:00 | 8 | 9 | 9 | 7 | 7 | 0.4 | 339.7 | 58.5 | 90.0 | 997.9 | 0.0 |
| | 07:15 | 7 | 8 | 8 | 8 | 7 | 0.3 | 338.9 | 58.3 | 90.0 | 997.8 | 0.0 |
| | 07:30 | 7 | 8 | 8 | 7 | 7 | 0.4 | 319.7 | 57.9 | 91.0 | 997.7 | 0.0 |
| | 07:45 | 7 | 8 | 8 | 7 | 7 | 0.6 | 300.9 | 57.7 | 91.0 | 997.9 | 0.0 |
| | 08:00 | 7 | 8 | 8 | 8 | 8 | 0.4 | 305.8 | 57.2 | 90.0 | 998.0 | 0.0 |
| | 08:15 | 8 | 9 | 9 | 9 | 9 | 0.5 | 334.2 | 56.7 | 91.0 | 997.9 | 0.0 |
| | 08:30 | 8 | 9 | 9 | 9 | 8 | 0.6 | 312.9 | 56.3 | 92.0 | 997.9 | 0.0 |
| | 08:45 | 7 | 8 | 8 | 8 | 8 | 0.5 | 298.9 | 56.0 | 92.0 | 998.1 | 0.0 |
| | 09:00 | 7 | 8 | 9 | 8 | 8 | 0.5 | 314.4 | 55.7 | 93.0 | 998.0 | 0.0 |
| | 09:15 | 8 | 9 | 9 | 8 | 8 | 0.4 | 308.9 | 55.6 | 94.0 | 998.1 | 0.0 |
| | 09:30 | 7 | 8 | 9 | 8 | 8 | 0.5 | 312.0 | 55.6 | 94.0 | 998.3 | 0.0 |
| | 09:45 | 7 | 9 | 9 | 8 | 9 | 0.4 | 348.1 | 55.4 | 94.0 | 998.2 | 0.0 |
| | 10:00 | 10 | 10 | 10 | 10 | 10 | 0.4 | 350.6 | 55.3 | 94.0 | 998.1 | 0.0 |
| | 10:15 | 8 | 9 | 10 | 9 | 10 | 0.4 | 326.0 | 55.2 | 95.0 | 998.1 | 0.0 |
| | 10:30 | 8 | 9 | 10 | 9 | 10 | 0.4 | 338.0 | 55.2 | 95.0 | 998.2 | 0.0 |
| | 10:45 | 8 | 10 | 10 | 9 | 10 | 0.5 | 312.8 | 55.2 | 95.0 | 998.3 | 0.0 |
| | 11:00 | 9 | 10 | 10 | 10 | 10 | 0.5 | 311.4 | 55.1 | 95.0 | 998.5 | 0.0 |
| | 11:15 | 9 | 10 | 10 | 10 | 10 | 0.5 | 341.1 | 54.9 | 94.0 | 998.6 | 0.0 |
| | 11:30 | 9 | 10 | 10 | 9 | 10 | 0.5 | 314.6 | 54.7 | 95.0 | 998.7 | 0.0 |
| | 11:45 | 8 | 9 | 10 | 9 | 9 | 0.5 | 316.7 | 54.5 | 95.0 | 998.8 | 0.0 |
| | 12:00 | 8 | 10 | 10 | 9 | 9 | 0.3 | 317.5 | 54.4 | 95.0 | 998.8 | 0.0 |
| | 12:15 | 8 | 10 | 10 | 10 | 9 | 0.4 | 334.8 | 55.8 | 92.0 | 998.9 | 0.0 |
| | 12:30 | 8 | 10 | 11 | 10 | 10 | 0.3 | 337.7 | 58.1 | 87.0 | 998.9 | 0.0 |
| | 12:45 | 9 | 10 | 10 | 9 | 10 | 0.3 | 284.7 | 60.2 | 83.0 | 999.0 | 0.0 |
| | 13:00 | 9 | 10 | 11 | 9 | 9 | 0.3 | 282.1 | 62.1 | 79.0 | 998.9 | 0.0 |
| | 13:15 | 9 | 10 | 9 | 9 | 9 | 0.3 | 346.4 | 64.8 | 73.0 | 998.9 | 0.0 |
| | 13:30 | 9 | 12 | 9 | 8 | 8 | 0.6 | 11.9 | 64.9 | 77.0 | 999.1 | 0.0 |
| | 13:45 | 11 | 15 | 14 | 13 | 13 | 0.7 | 352.4 | 65.0 | 76.0 | 999.2 | 0.0 |
| | 14:00 | 10 | 13 | 13 | 14 | 12 | 0.7 | 52.6 | 65.5 | 73.0 | 999.1 | 0.0 |
| | 14:15 | 10 | 14 | 13 | 14 | 13 | 0.7 | 63.4 | 67.6 | 70.0 | 999.2 | 0.0 |
| | 14:30 | 10 | 12 | 12 | 13 | 12 | 0.9 | 48.8 | 68.8 | 68.0 | 999.1 | 0.0 |
| | 14:45 | 8 | 10 | 10 | 11 | 10 | 0.9 | 64.4 | 70.1 | 67.0 | 999.1 | 0.0 |
| | 15:00 | 7 | 9 | 8 | 9 | 8 | 0.8 | 59.1 | 71.8 | 63.0 | 999.2 | 0.0 |
| | 15:15 | 7 | 8 | 8 | 8 | 7 | 0.8 | 356.3 | 73.5 | 57.0 | 999.1 | 0.0 |
| | 15:30 | 6 | 7 | 8 | 7 | 7 | 0.8 | 335.9 | 75.2 | 54.0 | 999.0 | 0.0 |
| | 15:45 | 6 | 7 | 8 | 7 | 7 | 0.9 | 23.3 | 75.9 | 53.0 | 998.8 | 0.0 |
| | 16:00 | 6 | 7 | 8 | 7 | 7 | 0.9 | 278.3 | 77.2 | 49.0 | 998.7 | 0.0 |
| | 16:15 | 6 | 7 | 7 | 7 | 7 | 0.6 | 291.1 | 79.8 | 45.0 | 998.7 | 0.0 |
| | 16:30 | 6 | 7 | 7 | 7 | 7 | 0.9 | 292.7 | 80.0 | 43.0 | 998.7 | 0.0 |
| | 16:45 | 4 | 6 | 6 | 6 | 6 | 1.3 | 51.5 | 79.5 | 45.0 | 998.6 | 0.0 |
| | 17:00 | 4 | 6 | 6 | 6 | 6 | 1.1 | 320.0 | 79.0 | 43.0 | 998.6 | 0.0 |
| | 17:15 | 4 | 6 | 6 | 7 | 6 | 1.3 | 30.0 | 80.5 | 39.0 | 998.7 | 0.0 |
| | 17:30 | 3 | 6 | 5 | 6 | 6 | 1.0 | 5.8 | 81.4 | 36.0 | 998.6 | 0.0 |
| | 17:45 | 3 | 6 | 6 | 6 | 5 | 1.0 | 327.3 | 83.0 | 35.0 | 998.5 | 0.0 |
| | 18:00 | 3 | 6 | 6 | 6 | 6 | 0.9 | 276.4 | 83.7 | 34.0 | 998.3 | 0.0 |
| | 18:15 | 3 | 6 | 6 | 6 | 6 | 1.2 | 321.7 | 84.0 | 35.0 | 998.2 | 0.0 |
| | 18:30 | 4 | 6 | 6 | 7 | 6 | 1.1 | 327.4 | 84.7 | 35.0 | 998.1 | 0.0 |
| | 18:45 | 12 | 11 | 12 | 12 | 11 | 1.0 | 288.6 | 84.1 | 36.0 | 998.0 | 0.0 |
| | 19:00 | 7 | 9 | 9 | 9 | 9 | 1.3 | 1.5 | 83.7 | 36.0 | 997.9 | 0.0 |
| | 19:15 | 6 | 9 | 8 | 9 | 9 | 1.1 | 50.7 | 82.9 | 39.0 | 997.6 | 0.0 |
| | 19:30 | 5 | 8 | 8 | 9 | 8 | 1.2 | 353.9 | 84.0 | 37.0 | 997.4 | 0.0 |
| | 19:45 | 6 | 9 | 8 | 9 | 9 | 1.3 | 339.2 | 84.3 | 36.0 | 997.1 | 0.0 |
| | 20:00 | 6 | 9 | 8 | 10 | 9 | 1.2 | 288.5 | 85.1 | 36.0 | 996.9 | 0.0 |
| | 20:15 | 5 | 9 | 8 | 9 | 9 | 1.1 | 325.9 | 86.0 | 35.0 | 996.8 | 0.0 |
| | 20:30 | 6 | 9 | 9 | 9 | 10 | 0.9 | 359.4 | 85.1 | 36.0 | 996.7 | 0.0 |
| | 20:45 | 6 | 9 | 8 | 9 | 9 | 1.1 | 287.6 | 86.7 | 35.0 | 996.6 | 0.0 |
| | 21:00 | 6 | 9 | 8 | 9 | 9 | 1.0 | 329.4 | 86.5 | 35.0 | 996.4 | 0.0 |
| | 21:15 | 6 | 9 | 8 | 9 | 9 | 1.0 | 358.4 | 85.4 | 36.0 | 996.4 | 0.0 |
| | 21:30 | 6 | 9 | 8 | 9 | 9 | 1.0 | 319.5 | 86.5 | 36.0 | 996.3 | 0.0 |
| | 21:45 | 6 | 9 | 8 | 10 | 9 | 1.1 | 353.5 | 84.6 | 37.0 | 996.3 | 0.0 |
| | 22:00 | 6 | 9 | 8 | 9 | 9 | 0.6 | 359.9 | 85.8 | 36.0 | 996.1 | 0.0 |
| | 22:15 | 6 | 8 | 7 | 9 | 8 | 0.8 | 5.9 | 84.7 | 35.0 | 996.1 | 0.0 |
| | 22:30 | 6 | 9 | 8 | 9 | 9 | 1.0 | 352.3 | 84.7 | 37.0 | 996.0 | 0.0 |
| | 22:45 | 7 | 9 | 8 | 9 | 9 | 0.8 | 269.9 | 84.4 | 40.0 | 996.0 | 0.0 |
| | 23:00 | 7 | 9 | 8 | 9 | 9 | 0.7 | 267.8 | 83.5 | 44.0 | 996.0 | 0.0 |
| | 23:15 | 7 | 9 | 8 | 9 | 9 | 0.6 | 237.0 | 81.4 | 47.0 | 996.1 | 0.0 |
| | 23:30 | 7 | 9 | 8 | 9 | 9 | 0.5 | 229.1 | 79.4 | 50.0 | 996.3 | 0.0 |
| | 23:45 | 7 | 9 | 8 | 9 | 9 | 0.4 | 228.2 | 78.0 | 52.0 | 996.4 | 0.0 |
| | 00:00 | 7 | 9 | 9 | 9 | 9 | 0.4 | 245.1 | 76.6 | 54.0 | 996.4 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/11/2023 | 00:15 | 7 | 9 | 9 | 9 | 9 | 0.4 | 271.5 | 75.0 | 57.0 | 996.2 | 0.0 |
| | 00:30 | 8 | 10 | 9 | 10 | 9 | 0.3 | 260.1 | 73.7 | 59.0 | 996.2 | 0.0 |
| | 00:45 | 8 | 10 | 10 | 10 | 9 | 0.3 | 258.1 | 72.5 | 62.0 | 996.4 | 0.0 |
| | 01:00 | 8 | 10 | 10 | 10 | 10 | 0.3 | 162.0 | 71.5 | 64.0 | 996.4 | 0.0 |
| | 01:15 | 8 | 10 | 10 | 10 | 10 | 0.3 | 207.9 | 70.5 | 66.0 | 996.5 | 0.0 |
| | 01:30 | 9 | 10 | 11 | 11 | 10 | 0.4 | 275.0 | 69.8 | 66.0 | 996.8 | 0.0 |
| | 01:45 | 9 | 11 | 10 | 10 | 10 | 0.3 | 201.2 | 69.6 | 68.0 | 996.9 | 0.0 |
| | 02:00 | 10 | 10 | 11 | 11 | 10 | 0.4 | 325.1 | 68.5 | 72.0 | 996.9 | 0.0 |
| | 02:15 | 10 | 10 | 10 | 11 | 10 | 0.2 | 358.9 | 67.8 | 73.0 | 997.0 | 0.0 |
| | 02:30 | 9 | 11 | 12 | 13 | 12 | 0.3 | 234.5 | 67.1 | 76.0 | 996.9 | 0.0 |
| | 02:45 | 10 | 11 | 12 | 12 | 12 | 0.2 | 73.1 | 66.5 | 76.0 | 996.8 | 0.0 |
| | 03:00 | 10 | 12 | 12 | 12 | 11 | 0.3 | 34.6 | 65.9 | 80.0 | 996.8 | 0.0 |
| | 03:15 | 10 | 10 | 11 | 11 | 11 | 0.7 | 33.9 | 65.3 | 81.0 | 996.7 | 0.0 |
| | 03:30 | 9 | 10 | 10 | 11 | 10 | 0.3 | 267.1 | 65.3 | 79.0 | 996.7 | 0.0 |
| | 03:45 | 9 | 10 | 10 | 11 | 11 | 0.3 | 344.4 | 65.0 | 77.0 | 996.7 | 0.0 |
| | 04:00 | 9 | 11 | 11 | 10 | 10 | 0.4 | 343.2 | 64.9 | 78.0 | 996.6 | 0.0 |
| | 04:15 | 9 | 10 | 11 | 10 | 10 | 0.4 | 6.6 | 64.8 | 77.0 | 996.7 | 0.0 |
| | 04:30 | 9 | 10 | 10 | 10 | 10 | 0.2 | 109.3 | 64.6 | 77.0 | 996.6 | 0.0 |
| | 04:45 | 9 | 10 | 10 | 10 | 10 | 0.3 | 261.8 | 64.1 | 77.0 | 996.7 | 0.0 |
| | 05:00 | 9 | 10 | 10 | 9 | 9 | 0.4 | 242.7 | 64.4 | 75.0 | 997.0 | 0.0 |
| | 05:15 | 8 | 9 | 9 | 9 | 9 | 0.3 | 178.9 | 64.2 | 77.0 | 997.0 | 0.0 |
| | 05:30 | 8 | 9 | 9 | 9 | 9 | 0.3 | 179.9 | 63.6 | 76.0 | 996.7 | 0.0 |
| | 05:45 | 8 | 8 | 9 | 8 | 8 | 0.4 | 330.6 | 63.6 | 77.0 | 996.7 | 0.0 |
| | 06:00 | 8 | 9 | 9 | 9 | 9 | 0.5 | 257.6 | 64.0 | 77.0 | 996.7 | 0.0 |
| | 06:15 | 10 | 9 | 9 | 10 | 10 | 0.7 | 86.2 | 64.3 | 76.0 | 996.7 | 0.0 |
| | 06:30 | 9 | 9 | 9 | 10 | 9 | 0.6 | 58.7 | 63.4 | 73.0 | 996.5 | 0.0 |
| | 06:45 | 7 | 9 | 10 | 9 | 9 | 0.5 | 60.8 | 63.4 | 78.0 | 996.3 | 0.0 |
| | 07:00 | 7 | 8 | 9 | 9 | 8 | 0.3 | 358.1 | 62.8 | 78.0 | 996.3 | 0.0 |
| | 07:15 | 7 | 8 | 9 | 8 | 7 | 0.5 | 35.5 | 62.9 | 72.0 | 996.1 | 0.0 |
| | 07:30 | 7 | 8 | 8 | 8 | 7 | 0.4 | 55.2 | 63.1 | 67.0 | 995.9 | 0.0 |
| | 07:45 | 6 | 7 | 8 | 7 | 7 | 0.3 | 330.5 | 63.0 | 71.0 | 995.9 | 0.0 |
| | 08:00 | 6 | 7 | 7 | 7 | 7 | 0.3 | 7.3 | 63.0 | 70.0 | 995.8 | 0.0 |
| | 08:15 | 5 | 7 | 7 | 7 | 7 | 0.4 | 346.1 | 62.9 | 68.0 | 995.9 | 0.0 |
| | 08:30 | 5 | 6 | 7 | 6 | 6 | 0.5 | 357.6 | 62.9 | 63.0 | 995.8 | 0.0 |
| | 08:45 | 5 | 6 | 7 | 6 | 6 | 0.5 | 8.2 | 62.9 | 63.0 | 995.6 | 0.0 |
| | 09:00 | 5 | 5 | 6 | 6 | 5 | 0.4 | 7.3 | 62.9 | 64.0 | 995.5 | 0.0 |
| | 09:15 | 5 | 6 | 6 | 6 | 5 | 0.4 | 335.0 | 62.9 | 63.0 | 995.4 | 0.0 |
| | 09:30 | 5 | 5 | 6 | 6 | 5 | 0.4 | 352.6 | 62.9 | 63.0 | 995.5 | 0.0 |
| | 09:45 | 5 | 5 | 5 | 5 | 5 | 0.4 | 4.7 | 62.3 | 67.0 | 995.6 | 0.0 |
| | 10:00 | 5 | 5 | 6 | 5 | 4 | 0.4 | 55.2 | 61.5 | 69.0 | 995.6 | 0.0 |
| | 10:15 | 5 | 5 | 5 | 5 | 4 | 0.4 | 12.7 | 61.0 | 69.0 | 995.8 | 0.0 |
| | 10:30 | 5 | 5 | 5 | 5 | 4 | 0.3 | 316.3 | 60.7 | 72.0 | 996.0 | 0.0 |
| | 10:45 | 4 | 5 | 5 | 4 | 4 | 0.3 | 300.2 | 60.4 | 76.0 | 995.9 | 0.0 |
| | 11:00 | 5 | 5 | 5 | 5 | 4 | 0.4 | 354.5 | 60.1 | 76.0 | 995.8 | 0.0 |
| | 11:15 | 4 | 5 | 6 | 5 | 4 | 0.3 | 346.6 | 59.8 | 77.0 | 995.8 | 0.0 |
| | 11:30 | 5 | 5 | 6 | 5 | 4 | 0.4 | 329.0 | 59.3 | 76.0 | 996.0 | 0.0 |
| | 11:45 | 5 | 5 | 6 | 5 | 5 | 0.4 | 317.0 | 59.8 | 77.0 | 996.2 | 0.0 |
| | 12:00 | 5 | 5 | 5 | 5 | 5 | 0.4 | 352.2 | 60.1 | 78.0 | 996.2 | 0.0 |
| | 12:15 | 5 | 5 | 6 | 5 | 5 | 0.4 | 335.3 | 61.2 | 71.0 | 996.3 | 0.0 |
| | 12:30 | 5 | 6 | 6 | 5 | 5 | 0.3 | 303.5 | 63.1 | 72.0 | 996.5 | 0.0 |
| | 12:45 | 5 | 6 | 5 | 5 | 5 | 0.3 | 333.1 | 63.8 | 71.0 | 996.4 | 0.0 |
| | 13:00 | 5 | 6 | 6 | 8 | 8 | 0.4 | 174.7 | 64.3 | 74.0 | 996.3 | 0.0 |
| | 13:15 | 5 | 4 | 5 | 5 | 5 | 0.4 | 175.1 | 64.5 | 71.0 | 996.0 | 0.0 |
| | 13:30 | 6 | 7 | 4 | 5 | 5 | 0.6 | 255.0 | 65.7 | 68.0 | 996.0 | 0.0 |
| | 13:45 | 7 | 7 | 6 | 3 | 6 | 0.6 | 257.6 | 67.2 | 67.0 | 995.9 | 0.0 |
| | 14:00 | 6 | 6 | 6 | 6 | 4 | 0.9 | 239.2 | 68.2 | 68.0 | 996.2 | 0.0 |
| | 14:15 | 8 | 8 | 6 | 6 | 5 | 1.0 | 234.4 | 69.5 | 66.0 | 996.3 | 0.0 |
| | 14:30 | 6 | 7 | 6 | 6 | 6 | 0.9 | 208.1 | 71.1 | 63.0 | 996.2 | 0.0 |
| | 14:45 | 6 | 6 | 6 | 6 | 6 | 1.0 | 199.8 | 72.4 | 64.0 | 996.0 | 0.0 |
| | 15:00 | 6 | 7 | 6 | 6 | 6 | 0.8 | 221.8 | 73.5 | 61.0 | 996.1 | 0.0 |
| | 15:15 | 6 | 7 | 7 | 6 | 6 | 1.1 | 262.4 | 74.5 | 60.0 | 996.2 | 0.0 |
| | 15:30 | 5 | 6 | 6 | 6 | 6 | 1.7 | 242.7 | 75.5 | 57.0 | 996.3 | 0.0 |
| | 15:45 | 6 | 6 | 5 | 5 | 5 | 1.7 | 243.3 | 76.3 | 54.0 | 996.4 | 0.0 |
| | 16:00 | 6 | 10 | 5 | 5 | 5 | 1.5 | 241.7 | 77.3 | 54.0 | 996.4 | 0.0 |
| | 16:15 | 5 | 11 | 5 | 5 | 5 | 1.8 | 236.7 | 78.5 | 49.0 | 996.3 | 0.0 |
| | 16:30 | 4 | 6 | 4 | 5 | 4 | 1.6 | 236.5 | 79.2 | 48.0 | 996.0 | 0.0 |
| | 16:45 | 4 | 8 | 5 | 5 | 5 | 1.8 | 249.6 | 79.3 | 48.0 | 996.0 | 0.0 |
| | 17:00 | 6 | 6 | 5 | 5 | 5 | 1.7 | 241.4 | 80.0 | 48.0 | 995.8 | 0.0 |
| | 17:15 | 5 | 7 | 5 | 5 | 5 | 1.4 | 242.5 | 80.0 | 48.0 | 995.7 | 0.0 |
| | 17:30 | 4 | 6 | 5 | 5 | 5 | 1.6 | 230.2 | 79.4 | 49.0 | 995.5 | 0.0 |
| | 17:45 | 6 | 8 | 5 | 5 | 5 | 1.9 | 248.1 | 78.7 | 50.0 | 995.5 | 0.0 |
| | 18:00 | 7 | 8 | 5 | 6 | 5 | 1.9 | 252.2 | 78.2 | 53.0 | 995.5 | 0.0 |
| | 18:15 | 6 | 7 | 6 | 6 | 6 | 1.4 | 250.8 | 78.1 | 55.0 | 995.4 | 0.0 |
| | 18:30 | 5 | 7 | 7 | 6 | 6 | 1.3 | 240.8 | 78.5 | 54.0 | 995.4 | 0.0 |
| | 18:45 | 7 | 10 | 7 | 7 | 7 | 1.0 | 251.5 | 78.0 | 54.0 | 995.2 | 0.0 |
| | 19:00 | 6 | 14 | 7 | 8 | 7 | 1.3 | 228.8 | 78.5 | 54.0 | 995.1 | 0.0 |
| | 19:15 | 6 | 12 | 7 | 7 | 7 | 1.6 | 252.0 | 77.3 | 58.0 | 995.0 | 0.0 |
| | 19:30 | 6 | 8 | 7 | 7 | 7 | 1.8 | 244.6 | 77.2 | 56.0 | 994.9 | 0.0 |
| | 19:45 | 8 | 9 | 8 | 8 | 8 | 1.8 | 246.2 | 77.6 | 53.0 | 994.7 | 0.0 |
| | 20:00 | 7 | 8 | 7 | 8 | 7 | 1.5 | 229.2 | 77.5 | 52.0 | 994.5 | 0.0 |
| | 20:15 | 7 | 9 | 7 | 8 | 8 | 1.5 | 222.0 | 78.4 | 54.0 | 994.5 | 0.0 |
| | 20:30 | 5 | 7 | 7 | 7 | 6 | 1.6 | 237.2 | 78.0 | 52.0 | 994.3 | 0.0 |
| | 20:45 | 5 | 10 | 11 | 6 | 6 | 2.1 | 253.2 | 77.6 | 54.0 | 994.3 | 0.0 |
| | 21:00 | 5 | 8 | 8 | 6 | 6 | 1.2 | 222.9 | 78.2 | 54.0 | 994.3 | 0.0 |
| | 21:15 | 6 | 10 | 7 | 7 | 6 | 1.0 | 234.2 | 77.2 | 56.0 | 994.4 | 0.0 |
| | 21:30 | 5 | 12 | 7 | 6 | 6 | 0.9 | 235.1 | 76.2 | 57.0 | 994.6 | 0.0 |
| | 21:45 | 6 | 9 | 7 | 7 | 6 | 1.0 | 256.0 | 76.1 | 59.0 | 994.7 | 0.0 |
| | 22:00 | 6 | 8 | 7 | 7 | 7 | 0.8 | 236.7 | 76.7 | 59.0 | 994.8 | 0.0 |
| | 22:15 | 6 | 8 | 7 | 7 | 7 | 1.2 | 248.8 | 76.7 | 59.0 | 994.9 | 0.0 |
| | 22:30 | 5 | 7 | 6 | 7 | 7 | 1.5 | 254.0 | 76.0 | 60.0 | 994.9 | 0.0 |
| | 22:45 | 6 | 7 | 6 | 6 | 6 | 1.0 | 248.4 | 75.4 | 63.0 | 994.9 | 0.0 |
| | 23:00 | 7 | 7 | 7 | 7 | 7 | 0.7 | 267.3 | 74.3 | 72.0 | 995.0 | 0.0 |
| | 23:15 | 6 | 8 | 8 | 8 | 8 | 0.4 | 293.0 | 72.3 | 77.0 | 995.1 | 0.0 |
| | 23:30 | 6 | 8 | 8 | 8 | 8 | 0.3 | 324.3 | 71.1 | 81.0 | 995.0 | 0.0 |
| | 23:45 | 7 | 9 | 9 | 8 | 8 | 0.4 | 330.6 | 70.3 | 83.0 | 994.9 | 0.0 |
| | 00:00 | 7 | 9 | 9 | 8 | 9 | 0.4 | 302.9 | 69.5 | 86.0 | 994.8 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/12/2023 | 00:15 | 8 | 10 | 10 | 9 | 9 | 0.3 | 317.1 | 69.0 | 88.0 | 994.8 | 0.0 |
| | 00:30 | 8 | 10 | 10 | 10 | 10 | 0.3 | 307.4 | 68.5 | 90.0 | 994.8 | 0.0 |
| | 00:45 | 9 | 11 | 11 | 11 | 11 | 0.4 | 303.6 | 68.0 | 91.0 | 994.7 | 0.0 |
| | 01:00 | 9 | 11 | 12 | 11 | 12 | 0.5 | 259.0 | 67.6 | 93.0 | 994.9 | 0.0 |
| | 01:15 | 10 | 11 | 12 | 11 | 12 | 0.4 | 289.1 | 67.3 | 92.0 | 995.1 | 0.0 |
| | 01:30 | 9 | 11 | 11 | 11 | 11 | 0.4 | 283.2 | 67.2 | 93.0 | 995.2 | 0.0 |
| | 01:45 | 9 | 11 | 11 | 10 | 11 | 0.3 | 285.3 | 66.9 | 94.0 | 995.4 | 0.0 |
| | 02:00 | 9 | 11 | 11 | 11 | 11 | 0.4 | 279.8 | 66.9 | 94.0 | 995.5 | 0.0 |
| | 02:15 | 8 | 11 | 11 | 10 | 11 | 0.3 | 263.4 | 66.8 | 95.0 | 995.7 | 0.0 |
| | 02:30 | 8 | 11 | 11 | 11 | 11 | 0.3 | 271.8 | 66.5 | 94.0 | 995.6 | 0.0 |
| | 02:45 | 9 | 11 | 11 | 11 | 12 | 0.3 | 302.6 | 66.4 | 95.0 | 995.5 | 0.0 |
| | 03:00 | 9 | 12 | 12 | 12 | 12 | 0.3 | 264.1 | 66.4 | 95.0 | 995.5 | 0.0 |
| | 03:15 | 10 | 12 | 12 | 11 | 13 | 0.4 | 244.9 | 66.2 | 96.0 | 995.4 | 0.0 |
| | 03:30 | 10 | 12 | 13 | 11 | 12 | 0.3 | 291.2 | 66.2 | 96.0 | 995.3 | 0.0 |
| | 03:45 | 10 | 13 | 14 | 12 | 12 | 0.3 | 271.8 | 66.0 | 96.0 | 995.3 | 0.0 |
| | 04:00 | 11 | 13 | 14 | 12 | 13 | 0.3 | 239.4 | 66.0 | 96.0 | 995.1 | 0.0 |
| | 04:15 | 11 | 13 | 14 | 13 | 13 | 0.3 | 312.7 | 66.0 | 96.0 | 995.1 | 0.0 |
| | 04:30 | 11 | 14 | 14 | 13 | 14 | 0.3 | 294.4 | 66.2 | 96.0 | 995.3 | 0.0 |
| | 04:45 | 12 | 15 | 15 | 14 | 15 | 0.4 | 331.8 | 66.3 | 95.0 | 995.4 | 0.0 |
| | 05:00 | 11 | 13 | 13 | 13 | 14 | 0.6 | 349.4 | 66.0 | 94.0 | 995.2 | 0.0 |
| | 05:15 | 6 | 8 | 8 | 7 | 8 | 0.5 | 334.4 | 65.5 | 94.0 | 995.2 | 0.0 |
| | 05:30 | 6 | 7 | 7 | 8 | 8 | 0.5 | 327.1 | 65.4 | 95.0 | 995.3 | 0.0 |
| | 05:45 | 6 | 7 | 7 | 7 | 7 | 0.6 | 324.5 | 65.2 | 95.0 | 995.3 | 0.0 |
| | 06:00 | 4 | 6 | 6 | 5 | 6 | 0.5 | 338.3 | 65.1 | 95.0 | 995.3 | 0.0 |
| | 06:15 | 4 | 5 | 5 | 5 | 5 | 0.5 | 328.7 | 65.1 | 94.0 | 995.4 | 0.0 |
| | 06:30 | 3 | 4 | 4 | 4 | 5 | 0.5 | 329.2 | 64.9 | 94.0 | 995.3 | 0.0 |
| | 06:45 | 3 | 3 | 3 | 3 | 4 | 0.6 | 330.9 | 64.6 | 94.0 | 995.3 | 0.0 |
| | 07:00 | 2 | 2 | 2 | 2 | 3 | 0.7 | 335.7 | 64.1 | 94.0 | 995.3 | 0.0 |
| | 07:15 | 1 | 2 | 2 | 2 | 2 | 0.5 | 336.3 | 64.0 | 94.0 | 995.2 | 0.0 |
| | 07:30 | 2 | 2 | 2 | 2 | 2 | 0.4 | 322.9 | 63.9 | 94.0 | 995.3 | 0.0 |
| | 07:45 | 2 | 2 | 2 | 2 | 2 | 0.6 | 339.7 | 63.9 | 94.0 | 995.3 | 0.0 |
| | 08:00 | 2 | 2 | 2 | 2 | 2 | 0.5 | 341.6 | 63.8 | 95.0 | 995.2 | 0.0 |
| | 08:15 | 2 | 2 | 2 | 2 | 2 | 0.5 | 343.6 | 63.8 | 94.0 | 995.3 | 0.0 |
| | 08:30 | 2 | 2 | 2 | 3 | 3 | 0.4 | 324.3 | 63.9 | 94.0 | 995.3 | 0.0 |
| | 08:45 | 2 | 2 | 2 | 3 | 3 | 0.5 | 340.1 | 63.8 | 94.0 | 995.4 | 0.0 |
| | 09:00 | 1 | 2 | 2 | 2 | 2 | 0.6 | 345.9 | 63.7 | 94.0 | 995.5 | 0.0 |
| | 09:15 | 2 | 2 | 2 | 2 | 3 | 0.9 | 352.4 | 63.3 | 91.0 | 995.5 | 0.0 |
| | 09:30 | 1 | 2 | 2 | 2 | 2 | 0.8 | 349.4 | 62.8 | 92.0 | 995.5 | 0.0 |
| | 09:45 | 1 | 2 | 2 | 2 | 2 | 0.8 | 343.3 | 62.6 | 93.0 | 995.4 | 0.0 |
| | 10:00 | 1 | 2 | 2 | 2 | 3 | 0.9 | 348.5 | 62.4 | 94.0 | 995.5 | 0.0 |
| | 10:15 | 3 | 3 | 4 | 3 | 4 | 1.1 | 347.1 | 62.3 | 92.0 | 995.6 | 0.0 |
| | 10:30 | 4 | 5 | 6 | 5 | 6 | 0.9 | 339.5 | 62.2 | 93.0 | 995.6 | 0.0 |
| | 10:45 | 7 | 8 | 8 | 8 | 8 | 1.0 | 338.3 | 62.0 | 93.0 | 995.8 | 0.0 |
| | 11:00 | 8 | 10 | 10 | 10 | 10 | 1.1 | 347.5 | 61.8 | 93.0 | 995.8 | 0.0 |
| | 11:15 | 9 | 11 | 11 | 10 | 11 | 0.8 | 333.8 | 61.8 | 93.0 | 995.9 | 0.0 |
| | 11:30 | 11 | 13 | 13 | 13 | 14 | 0.9 | 340.9 | 61.7 | 93.0 | 996.0 | 0.0 |
| | 11:45 | 13 | 14 | 15 | 14 | 15 | 0.8 | 340.6 | 61.6 | 93.0 | 996.2 | 0.0 |
| | 12:00 | 13 | 14 | 15 | 14 | 15 | 0.7 | 348.5 | 61.4 | 93.0 | 996.4 | 0.0 |
| | 12:15 | 12 | 14 | 14 | 13 | 15 | 0.9 | 346.9 | 61.3 | 93.0 | 996.6 | 0.0 |
| | 12:30 | 12 | 14 | 14 | 13 | 14 | 0.9 | 345.7 | 61.2 | 92.0 | 996.8 | 0.0 |
| | 12:45 | 7 | 12 | 14 | 14 | 15 | 1.0 | 349.7 | 61.1 | 92.0 | 997.0 | 0.0 |
| | 13:00 | 11 | 11 | 9 | 9 | 9 | 0.9 | 349.6 | 61.2 | 92.0 | 997.1 | 0.0 |
| | 13:15 | 12 | 15 | 15 | 13 | 15 | 1.0 | 356.9 | 61.7 | 90.0 | 997.1 | 0.0 |
| | 13:30 | 13 | 15 | 16 | 15 | 15 | 0.8 | 353.7 | 62.5 | 88.0 | 997.0 | 0.0 |
| | 13:45 | 13 | 16 | 16 | 16 | 17 | 1.0 | 347.5 | 62.7 | 86.0 | 997.1 | 0.0 |
| | 14:00 | 12 | 15 | 15 | 14 | 15 | 0.9 | 350.0 | 63.5 | 84.0 | 997.2 | 0.0 |
| | 14:15 | 10 | 12 | 13 | 13 | 13 | 1.2 | 2.7 | 65.0 | 81.0 | 997.3 | 0.0 |
| | 14:30 | 9 | 12 | 12 | 13 | 12 | 0.9 | 345.3 | 68.7 | 72.0 | 997.4 | 0.0 |
| | 14:45 | 9 | 10 | 11 | 12 | 12 | 1.1 | 352.2 | 68.2 | 72.0 | 997.4 | 0.0 |
| | 15:00 | 9 | 10 | 11 | 11 | 11 | 0.8 | 333.3 | 69.6 | 68.0 | 997.3 | 0.0 |
| | 15:15 | 8 | 10 | 11 | 11 | 10 | 1.4 | 13.8 | 70.0 | 64.0 | 997.3 | 0.0 |
| | 15:30 | 8 | 9 | 9 | 9 | 9 | 1.2 | 0.4 | 70.7 | 62.0 | 997.2 | 0.0 |
| | 15:45 | 7 | 8 | 9 | 9 | 9 | 1.3 | 356.1 | 71.3 | 62.0 | 997.2 | 0.0 |
| | 16:00 | 7 | 7 | 8 | 8 | 9 | 1.1 | 345.8 | 73.3 | 59.0 | 997.2 | 0.0 |
| | 16:15 | 6 | 7 | 8 | 8 | 8 | 1.3 | 4.4 | 72.8 | 60.0 | 997.1 | 0.0 |
| | 16:30 | 5 | 7 | 8 | 8 | 7 | 1.2 | 343.4 | 72.9 | 55.0 | 997.1 | 0.0 |
| | 16:45 | 5 | 6 | 7 | 7 | 7 | 1.2 | 342.0 | 73.9 | 55.0 | 997.0 | 0.0 |
| | 17:00 | 5 | 6 | 7 | 8 | 8 | 0.9 | 319.3 | 74.5 | 56.0 | 997.0 | 0.0 |
| | 17:15 | 5 | 6 | 7 | 8 | 7 | 1.2 | 350.6 | 73.8 | 54.0 | 996.9 | 0.0 |
| | 17:30 | 4 | 6 | 7 | 7 | 7 | 1.2 | 342.6 | 74.9 | 51.0 | 996.8 | 0.0 |
| | 17:45 | 4 | 6 | 6 | 7 | 7 | 0.9 | 343.4 | 76.2 | 46.0 | 996.7 | 0.0 |
| | 18:00 | 4 | 6 | 6 | 8 | 8 | 0.9 | 316.1 | 78.8 | 45.0 | 996.6 | 0.0 |
| | 18:15 | 4 | 6 | 6 | 6 | 6 | 1.1 | 335.7 | 77.1 | 45.0 | 996.5 | 0.0 |
| | 18:30 | 4 | 5 | 6 | 6 | 6 | 1.1 | 303.9 | 78.0 | 45.0 | 996.4 | 0.0 |
| | 18:45 | 3 | 5 | 6 | 7 | 7 | 1.0 | 327.7 | 77.6 | 46.0 | 996.3 | 0.0 |
| | 19:00 | 3 | 5 | 5 | 9 | 9 | 1.0 | 336.9 | 77.1 | 44.0 | 996.2 | 0.0 |
| | 19:15 | 3 | 7 | 6 | 6 | 6 | 1.1 | 305.1 | 78.3 | 42.0 | 996.0 | 0.0 |
| | 19:30 | 5 | 11 | 6 | 5 | 5 | 1.1 | 326.6 | 77.2 | 42.0 | 995.9 | 0.0 |
| | 19:45 | 18 | 14 | 7 | 7 | 7 | 1.0 | 320.2 | 78.2 | 43.0 | 995.7 | 0.0 |
| | 20:00 | 5 | 12 | 7 | 6 | 6 | 0.9 | 289.9 | 79.7 | 37.0 | 995.6 | 0.0 |
| | 20:15 | 2 | 17 | 4 | 4 | 4 | 1.0 | 330.9 | 79.5 | 39.0 | 995.5 | 0.0 |
| | 20:30 | 2 | 5 | 4 | 4 | 4 | 1.2 | 326.3 | 79.9 | 38.0 | 995.4 | 0.0 |
| | 20:45 | 2 | 5 | 10 | 5 | 5 | 1.1 | 302.4 | 78.3 | 39.0 | 995.4 | 0.0 |
| | 21:00 | 2 | 5 | 6 | 5 | 5 | 0.8 | 314.9 | 79.7 | 36.0 | 995.3 | 0.0 |
| | 21:15 | 2 | 5 | 6 | 5 | 5 | 0.9 | 332.3 | 79.2 | 37.0 | 995.2 | 0.0 |
| | 21:30 | 3 | 5 | 8 | 5 | 5 | 1.4 | 353.3 | 77.9 | 36.0 | 995.1 | 0.0 |
| | 21:45 | 3 | 5 | 9 | 5 | 5 | 1.2 | 344.5 | 77.3 | 35.0 | 995.1 | 0.0 |
| | 22:00 | 3 | 5 | 10 | 5 | 5 | 1.0 | 332.6 | 77.9 | 34.0 | 995.1 | 0.0 |
| | 22:15 | 3 | 5 | 7 | 5 | 5 | 0.8 | 326.3 | 77.5 | 36.0 | 995.1 | 0.0 |
| | 22:30 | 4 | 5 | 7 | 6 | 5 | 1.0 | 321.6 | 77.0 | 38.0 | 995.1 | 0.0 |
| | 22:45 | 4 | 5 | 7 | 5 | 5 | 0.9 | 333.9 | 75.8 | 40.0 | 995.2 | 0.0 |
| | 23:00 | 4 | 5 | 7 | 6 | 5 | 1.1 | 336.1 | 75.2 | 42.0 | 995.2 | 0.0 |
| | 23:15 | 4 | 6 | 5 | 6 | 6 | 1.0 | 338.4 | 73.4 | 44.0 | 995.2 | 0.0 |
| | 23:30 | 4 | 6 | 5 | 6 | 6 | 1.0 | 349.4 | 72.4 | 45.0 | 995.4 | 0.0 |
| | 23:45 | 5 | 6 | 6 | 6 | 6 | 0.7 | 348.6 | 71.6 | 47.0 | 995.5 | 0.0 |
| | 00:00 | 5 | 6 | 6 | 6 | 6 | 0.6 | 335.6 | 70.7 | 48.0 | 995.5 | 0.0 |

Draft

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/13/2023 | 00:15 | 8 | 12 | 11 | 11 | 11 | 0.4 | 307.2 | 55.6 | 87.0 | 996.9 | 0.0 |
| | 00:30 | 7 | 9 | 9 | 9 | 9 | 0.4 | 344.9 | 55.0 | 88.0 | 996.9 | 0.0 |
| | 00:45 | 7 | 9 | 9 | 8 | 8 | 0.3 | 327.0 | 54.6 | 89.0 | 997.0 | 0.0 |
| | 01:00 | 7 | 8 | 8 | 8 | 8 | 0.3 | 333.2 | 54.1 | 91.0 | 997.0 | 0.0 |
| | 01:15 | 7 | 8 | 8 | 8 | 8 | 0.4 | 335.7 | 53.7 | 92.0 | 997.0 | 0.0 |
| | 01:30 | 7 | 8 | 8 | 8 | 8 | 0.2 | 342.8 | 53.5 | 92.0 | 996.9 | 0.0 |
| | 01:45 | 7 | 8 | 8 | 8 | 8 | 0.3 | 353.5 | 53.0 | 92.0 | 996.9 | 0.0 |
| | 02:00 | 7 | 8 | 9 | 8 | 8 | 0.4 | 328.4 | 52.6 | 93.0 | 996.9 | 0.0 |
| | 02:15 | 7 | 7 | 8 | 8 | 8 | 0.4 | 329.4 | 52.4 | 94.0 | 996.8 | 0.0 |
| | 02:30 | 7 | 7 | 9 | 9 | 9 | 0.7 | 317.1 | 52.5 | 95.0 | 996.7 | 0.0 |
| | 02:45 | 8 | 8 | 8 | 8 | 9 | 0.5 | 286.8 | 52.9 | 95.0 | 996.8 | 0.0 |
| | 03:00 | 8 | 8 | 9 | 9 | 9 | 0.5 | 332.5 | 52.7 | 95.0 | 996.8 | 0.0 |
| | 03:15 | 8 | 8 | 9 | 8 | 8 | 0.5 | 301.3 | 52.5 | 94.0 | 996.8 | 0.0 |
| | 03:30 | 7 | 8 | 8 | 8 | 8 | 0.5 | 295.8 | 52.3 | 95.0 | 996.7 | 0.0 |
| | 03:45 | 7 | 7 | 8 | 7 | 7 | 0.5 | 340.4 | 51.9 | 94.0 | 996.6 | 0.0 |
| | 04:00 | 7 | 6 | 8 | 7 | 7 | 0.3 | 300.1 | 51.6 | 95.0 | 996.6 | 0.0 |
| | 04:15 | 7 | 7 | 8 | 7 | 7 | 0.3 | 321.7 | 51.3 | 95.0 | 996.5 | 0.0 |
| | 04:30 | 7 | 7 | 8 | 7 | 7 | 0.3 | 331.7 | 50.9 | 95.0 | 996.6 | 0.0 |
| | 04:45 | 7 | 7 | 8 | 7 | 7 | 0.6 | 311.5 | 50.8 | 96.0 | 996.7 | 0.0 |
| | 05:00 | 7 | 7 | 8 | 8 | 7 | 0.4 | 315.8 | 50.6 | 96.0 | 996.7 | 0.0 |
| | 05:15 | 7 | 8 | 9 | 8 | 9 | 0.6 | 316.8 | 50.6 | 96.0 | 996.7 | 0.0 |
| | 05:30 | 7 | 8 | 10 | 9 | 9 | 0.3 | 325.6 | 50.4 | 97.0 | 996.6 | 0.0 |
| | 05:45 | 8 | 10 | 10 | 11 | 11 | 0.4 | 338.0 | 50.1 | 96.0 | 996.6 | 0.0 |
| | 06:00 | 9 | 9 | 10 | 11 | 11 | 0.3 | 327.6 | 49.8 | 96.0 | 996.7 | 0.0 |
| | 06:15 | 11 | 9 | 10 | 12 | 12 | 0.4 | 308.3 | 49.6 | 97.0 | 996.9 | 0.0 |
| | 06:30 | 17 | 10 | 14 | 16 | 17 | 0.4 | 327.2 | 49.6 | 97.0 | 997.0 | 0.0 |
| | 06:45 | 21 | 10 | 11 | 16 | 18 | 0.3 | 294.6 | 49.6 | 97.0 | 997.1 | 0.0 |
| | 07:00 | 10 | 9 | 12 | 13 | 14 | 0.3 | 341.7 | 50.2 | 95.0 | 997.3 | 0.0 |
| | 07:15 | 9 | 10 | 11 | 13 | 13 | 0.3 | 105.6 | 51.5 | 92.0 | 997.3 | 0.0 |
| | 07:30 | 11 | 9 | 11 | 10 | 11 | 0.4 | 257.2 | 53.4 | 88.0 | 997.5 | 0.0 |
| | 07:45 | 6 | 5 | 8 | 8 | 8 | 0.7 | 240.7 | 55.0 | 86.0 | 997.6 | 0.0 |
| | 08:00 | 8 | 10 | 6 | 5 | 6 | 0.5 | 231.6 | 56.8 | 84.0 | 997.6 | 0.0 |
| | 08:15 | 9 | 10 | 9 | 10 | 9 | 0.8 | 239.3 | 57.8 | 81.0 | 997.7 | 0.0 |
| | 08:30 | 9 | 11 | 9 | 9 | 9 | 0.7 | 233.8 | 59.2 | 79.0 | 997.6 | 0.0 |
| | 08:45 | 8 | 10 | 9 | 9 | 9 | 0.7 | 233.3 | 61.9 | 71.0 | 997.5 | 0.0 |
| | 09:00 | 6 | 9 | 8 | 9 | 8 | 0.9 | 237.9 | 64.6 | 66.0 | 997.6 | 0.0 |
| | 09:15 | 5 | 7 | 7 | 7 | 7 | 1.0 | 260.6 | 64.9 | 68.0 | 997.7 | 0.0 |
| | 09:30 | 5 | 7 | 6 | 7 | 7 | 0.7 | 258.9 | 65.3 | 69.0 | 997.6 | 0.0 |
| | 09:45 | 6 | 8 | 6 | 7 | 7 | 0.6 | 257.2 | 65.7 | 70.0 | 997.6 | 0.0 |
| | 10:00 | 5 | 9 | 6 | 7 | 6 | 0.7 | 208.4 | 66.9 | 65.0 | 997.6 | 0.0 |
| | 10:15 | 5 | 8 | 6 | 6 | 7 | 0.9 | 224.4 | 70.0 | 57.0 | 997.6 | 0.0 |
| | 10:30 | 6 | 8 | 7 | 7 | 7 | 1.1 | 233.5 | 72.5 | 53.0 | 997.6 | 0.0 |
| | 10:45 | 6 | 7 | 7 | 7 | 7 | 1.2 | 243.4 | 74.2 | 50.0 | 997.4 | 0.0 |
| | 11:00 | 5 | 7 | 6 | 7 | 6 | 1.3 | 269.7 | 76.4 | 44.0 | 997.3 | 0.0 |
| | 11:15 | 4 | 7 | 7 | 7 | 7 | 0.8 | 298.1 | 79.2 | 40.0 | 997.2 | 0.0 |
| | 11:30 | 4 | 8 | 8 | 9 | 9 | 1.4 | 247.7 | 79.0 | 41.0 | 997.1 | 0.0 |
| | 11:45 | 5 | 8 | 8 | 9 | 8 | 1.0 | 267.7 | 79.3 | 39.0 | 997.0 | 0.0 |
| | 12:00 | 4 | 7 | 9 | 8 | 8 | 1.0 | 274.8 | 80.7 | 36.0 | 996.8 | 0.0 |
| | 12:15 | 4 | 8 | 9 | 8 | 8 | 1.3 | 253.1 | 80.6 | 37.0 | 996.6 | 0.0 |
| | 12:30 | 5 | 9 | 11 | 10 | 9 | 0.9 | 248.4 | 81.6 | 36.0 | 996.5 | 0.0 |
| | 12:45 | 4 | 8 | 10 | 8 | 8 | 1.7 | 252.6 | 81.1 | 36.0 | 996.2 | 0.0 |
| | 13:00 | 4 | 8 | 8 | 8 | 8 | 1.2 | 261.7 | 81.2 | 34.0 | 996.0 | 0.0 |
| | 13:15 | 4 | 8 | 8 | 8 | 8 | 1.5 | 263.0 | 81.6 | 35.0 | 995.8 | 0.0 |
| | 13:30 | 5 | 9 | 9 | 9 | 8 | 1.2 | 278.5 | 82.5 | 33.0 | 995.6 | 0.0 |
| | 13:45 | 5 | 9 | 9 | 9 | 9 | 1.5 | 280.0 | 83.3 | 34.0 | 995.4 | 0.0 |
| | 14:00 | 5 | 9 | 8 | 9 | 9 | 1.0 | 269.7 | 83.1 | 33.0 | 995.3 | 0.0 |
| | 14:15 | 5 | 10 | 9 | 10 | 10 | 0.9 | 275.3 | 81.7 | 34.0 | 995.3 | 0.0 |
| | 14:30 | 5 | 9 | 9 | 9 | 9 | 1.1 | 265.0 | 80.6 | 35.0 | 995.2 | 0.0 |
| | 14:45 | 5 | 9 | 9 | 9 | 9 | 1.2 | 255.1 | 81.6 | 32.0 | 995.0 | 0.0 |
| | 15:00 | 5 | 9 | 8 | 9 | 9 | 1.3 | 296.9 | 83.7 | 32.0 | 994.7 | 0.0 |
| | 15:15 | 5 | 9 | 8 | 9 | 10 | 1.2 | 265.2 | 83.7 | 32.0 | 994.6 | 0.0 |
| | 15:30 | 5 | 8 | 8 | 9 | 9 | 1.2 | 312.4 | 83.1 | 33.0 | 994.5 | 0.0 |
| | 15:45 | 5 | 9 | 8 | 9 | 13 | 1.0 | 308.6 | 84.1 | 31.0 | 994.5 | 0.0 |
| | 16:00 | 5 | 9 | 8 | 18 | 16 | 0.9 | 287.1 | 84.8 | 31.0 | 994.5 | 0.0 |
| | 16:15 | 5 | 9 | 8 | 13 | 14 | 0.9 | 321.3 | 83.9 | 32.0 | 994.5 | 0.0 |
| | 16:30 | 5 | 8 | 7 | 10 | 10 | 1.1 | 328.2 | 82.6 | 31.0 | 994.5 | 0.0 |
| | 16:45 | 5 | 8 | 7 | 8 | 8 | 0.9 | 311.3 | 81.4 | 33.0 | 994.5 | 0.0 |
| | 17:00 | 5 | 8 | 8 | 11 | 11 | 0.9 | 313.5 | 81.3 | 34.0 | 994.5 | 0.0 |
| | 17:15 | 4 | 8 | 7 | 13 | 13 | 1.0 | 325.9 | 80.7 | 37.0 | 994.5 | 0.0 |
| | 17:30 | 5 | 8 | 7 | 9 | 8 | 0.8 | 338.3 | 79.5 | 39.0 | 994.7 | 0.0 |
| | 17:45 | 5 | 8 | 7 | 8 | 8 | 1.1 | 347.1 | 78.0 | 40.0 | 994.7 | 0.0 |
| | 18:00 | 5 | 8 | 7 | 8 | 8 | 1.0 | 337.5 | 76.5 | 42.0 | 994.7 | 0.0 |
| | 18:15 | 5 | 8 | 7 | 8 | 8 | 0.9 | 336.8 | 75.5 | 45.0 | 994.7 | 0.0 |
| | 18:30 | 6 | 7 | 7 | 9 | 8 | 1.1 | 356.4 | 74.4 | 46.0 | 994.8 | 0.0 |
| | 18:45 | 5 | 8 | 8 | 8 | 8 | 1.0 | 353.6 | 73.3 | 48.0 | 995.0 | 0.0 |
| | 19:00 | 6 | 8 | 8 | 8 | 8 | 0.7 | 20.5 | 72.2 | 50.0 | 995.0 | 0.0 |
| | 19:15 | 5 | 8 | 8 | 8 | 8 | 0.8 | 6.0 | 70.9 | 51.0 | 995.1 | 0.0 |
| | 19:30 | 6 | 8 | 8 | 8 | 8 | 0.7 | 0.1 | 70.0 | 52.0 | 995.1 | 0.0 |
| | 19:45 | 6 | 8 | 8 | 8 | 8 | 0.9 | 3.9 | 69.1 | 53.0 | 995.2 | 0.0 |
| | 20:00 | 6 | 8 | 8 | 8 | 8 | 1.1 | 357.8 | 68.1 | 53.0 | 995.4 | 0.0 |
| | 20:15 | 5 | 7 | 7 | 8 | 7 | 1.2 | 7.8 | 67.4 | 53.0 | 995.6 | 0.0 |
| | 20:30 | 5 | 6 | 7 | 7 | 7 | 1.2 | 14.6 | 66.4 | 53.0 | 995.8 | 0.0 |
| | 20:45 | 5 | 6 | 7 | 7 | 7 | 1.1 | 5.6 | 65.8 | 53.0 | 995.9 | 0.0 |
| | 21:00 | 5 | 6 | 6 | 6 | 6 | 1.2 | 36.9 | 64.9 | 55.0 | 996.2 | 0.0 |
| | 21:15 | 4 | 6 | 6 | 6 | 5 | 1.2 | 41.4 | 64.0 | 56.0 | 996.2 | 0.0 |
| | 21:30 | 4 | 6 | 6 | 6 | 5 | 0.8 | 18.2 | 63.5 | 55.0 | 996.2 | 0.0 |
| | 21:45 | 5 | 6 | 6 | 6 | 6 | 1.1 | 20.3 | 63.1 | 56.0 | 996.4 | 0.0 |
| | 22:00 | 4 | 5 | 5 | 5 | 5 | 1.1 | 26.8 | 62.6 | 57.0 | 996.5 | 0.0 |
| | 22:15 | 3 | 5 | 5 | 5 | 5 | 0.9 | 20.9 | 61.6 | 59.0 | 996.6 | 0.0 |
| | 22:30 | 4 | 6 | 5 | 6 | 5 | 0.8 | 46.7 | 61.1 | 59.0 | 996.6 | 0.0 |
| | 22:45 | 5 | 6 | 5 | 5 | 5 | 0.5 | 27.8 | 60.4 | 61.0 | 996.7 | 0.0 |
| | 23:00 | 4 | 5 | 5 | 5 | 5 | 0.8 | 5.0 | 60.0 | 61.0 | 996.8 | 0.0 |
| | 23:15 | 4 | 5 | 5 | 5 | 5 | 0.4 | 9.3 | 59.5 | 66.0 | 996.9 | 0.0 |
| | 23:30 | 4 | 5 | 5 | 5 | 5 | 0.4 | 328.8 | 58.1 | 68.0 | 996.9 | 0.0 |
| | 23:45 | 6 | 6 | 6 | 10 | 10 | 0.5 | 311.2 | 56.9 | 71.0 | 997.0 | 0.0 |
| | 00:00 | 5 | 6 | 7 | 8 | 7 | 0.5 | 289.1 | 56.3 | 73.0 | 997.0 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/14/2023 | 00:15 | 6 | 6 | 7 | 7 | 7 | 0.4 | 282.5 | 55.7 | 75.0 | 997.1 | 0.0 |
| | 00:30 | 5 | 5 | 6 | 6 | 5 | 0.5 | 340.4 | 54.8 | 76.0 | 997.1 | 0.0 |
| | 00:45 | 6 | 5 | 5 | 5 | 5 | 0.6 | 351.7 | 54.9 | 73.0 | 997.1 | 0.0 |
| | 01:00 | 6 | 5 | 6 | 6 | 5 | 0.6 | 326.2 | 55.4 | 73.0 | 997.2 | 0.0 |
| | 01:15 | 4 | 5 | 5 | 5 | 5 | 0.5 | 310.0 | 55.0 | 75.0 | 997.2 | 0.0 |
| | 01:30 | 4 | 5 | 5 | 5 | 5 | 0.6 | 286.3 | 54.3 | 79.0 | 997.3 | 0.0 |
| | 01:45 | 5 | 5 | 5 | 5 | 4 | 0.6 | 322.1 | 53.4 | 80.0 | 997.3 | 0.0 |
| | 02:00 | 5 | 5 | 5 | 5 | 5 | 0.4 | 342.6 | 53.0 | 82.0 | 997.3 | 0.0 |
| | 02:15 | 5 | 5 | 5 | 5 | 5 | 0.5 | 4.3 | 52.5 | 85.0 | 997.3 | 0.0 |
| | 02:30 | 5 | 5 | 5 | 5 | 5 | 0.5 | 358.1 | 52.1 | 85.0 | 997.2 | 0.0 |
| | 02:45 | 5 | 5 | 5 | 5 | 5 | 0.5 | 354.8 | 52.2 | 84.0 | 997.2 | 0.0 |
| | 03:00 | 5 | 5 | 6 | 5 | 5 | 0.5 | 321.6 | 52.2 | 86.0 | 997.2 | 0.0 |
| | 03:15 | 5 | 5 | 6 | 5 | 5 | 0.3 | 291.8 | 51.9 | 87.0 | 997.3 | 0.0 |
| | 03:30 | 5 | 5 | 5 | 5 | 5 | 0.4 | 312.5 | 51.2 | 89.0 | 997.3 | 0.0 |
| | 03:45 | 5 | 5 | 6 | 5 | 5 | 0.4 | 316.9 | 50.8 | 91.0 | 997.4 | 0.0 |
| | 04:00 | 5 | 5 | 6 | 5 | 5 | 0.4 | 331.7 | 51.0 | 91.0 | 997.5 | 0.0 |
| | 04:15 | 5 | 6 | 6 | 5 | 6 | 0.3 | 329.8 | 51.1 | 91.0 | 997.5 | 0.0 |
| | 04:30 | 6 | 6 | 6 | 6 | 6 | 0.3 | 9.0 | 51.1 | 92.0 | 997.6 | 0.0 |
| | 04:45 | 6 | 6 | 6 | 6 | 6 | 0.3 | 9.1 | 51.0 | 92.0 | 997.7 | 0.0 |
| | 05:00 | 6 | 6 | 7 | 6 | 6 | 0.3 | 317.4 | 50.6 | 93.0 | 997.7 | 0.0 |
| | 05:15 | 6 | 6 | 7 | 6 | 6 | 0.4 | 348.0 | 50.4 | 93.0 | 997.7 | 0.0 |
| | 05:30 | 6 | 7 | 7 | 6 | 7 | 0.4 | 350.2 | 50.2 | 94.0 | 997.9 | 0.0 |
| | 05:45 | 6 | 7 | 7 | 7 | 7 | 0.5 | 349.3 | 50.0 | 94.0 | 998.1 | 0.0 |
| | 06:00 | 7 | 7 | 7 | 7 | 7 | 0.6 | 348.5 | 50.1 | 94.0 | 998.2 | 0.0 |
| | 06:15 | 7 | 7 | 8 | 7 | 7 | 0.6 | 0.5 | 50.2 | 93.0 | 998.3 | 0.0 |
| | 06:30 | 7 | 8 | 8 | 8 | 8 | 0.5 | 338.7 | 50.1 | 93.0 | 998.5 | 0.0 |
| | 06:45 | 7 | 8 | 9 | 8 | 8 | 0.4 | 319.6 | 49.8 | 94.0 | 998.7 | 0.0 |
| | 07:00 | 7 | 7 | 8 | 8 | 8 | 0.5 | 321.3 | 50.0 | 90.0 | 998.8 | 0.0 |
| | 07:15 | 7 | 8 | 9 | 8 | 8 | 0.6 | 358.0 | 51.8 | 87.0 | 999.0 | 0.0 |
| | 07:30 | 7 | 8 | 9 | 8 | 8 | 0.9 | 23.1 | 53.2 | 85.0 | 999.1 | 0.0 |
| | 07:45 | 7 | 9 | 9 | 9 | 9 | 1.1 | 49.3 | 54.1 | 84.0 | 999.2 | 0.0 |
| | 08:00 | 7 | 8 | 9 | 9 | 9 | 1.4 | 51.1 | 55.2 | 82.0 | 999.2 | 0.0 |
| | 08:15 | 4 | 8 | 8 | 8 | 8 | 1.2 | 67.6 | 55.5 | 82.0 | 999.2 | 0.0 |
| | 08:30 | 6 | 5 | 6 | 7 | 8 | 1.6 | 68.5 | 56.5 | 81.0 | 999.2 | 0.0 |
| | 08:45 | 6 | 7 | 7 | 4 | 7 | 1.3 | 56.9 | 58.6 | 76.0 | 999.2 | 0.0 |
| | 09:00 | 5 | 7 | 8 | 10 | 7 | 1.6 | 58.1 | 60.6 | 74.0 | 999.2 | 0.0 |
| | 09:15 | 5 | 6 | 7 | 8 | 8 | 1.2 | 58.1 | 63.5 | 68.0 | 999.3 | 0.0 |
| | 09:30 | 4 | 6 | 7 | 6 | 6 | 1.1 | 71.8 | 65.5 | 63.0 | 999.3 | 0.0 |
| | 09:45 | 4 | 5 | 7 | 6 | 5 | 1.2 | 76.2 | 67.1 | 61.0 | 999.4 | 0.0 |
| | 10:00 | 4 | 5 | 5 | 5 | 5 | 1.6 | 52.4 | 68.0 | 55.0 | 999.4 | 0.0 |
| | 10:15 | 3 | 4 | 7 | 5 | 5 | 1.6 | 52.9 | 69.1 | 53.0 | 999.4 | 0.0 |
| | 10:30 | 3 | 4 | 6 | 5 | 5 | 1.2 | 77.1 | 70.8 | 45.0 | 999.4 | 0.0 |
| | 10:45 | 3 | 4 | 5 | 5 | 4 | 1.2 | 89.8 | 71.5 | 44.0 | 999.4 | 0.0 |
| | 11:00 | 2 | 4 | 4 | 5 | 4 | 1.3 | 69.7 | 72.3 | 43.0 | 999.2 | 0.0 |
| | 11:15 | 2 | 4 | 4 | 4 | 4 | 1.5 | 54.5 | 72.6 | 42.0 | 999.2 | 0.0 |
| | 11:30 | 1 | 4 | 5 | 4 | 4 | 1.1 | 27.3 | 73.9 | 41.0 | 999.0 | 0.0 |
| | 11:45 | 1 | 4 | 4 | 4 | 4 | 1.0 | 30.4 | 74.7 | 40.0 | 998.9 | 0.0 |
| | 12:00 | 1 | 3 | 4 | 4 | 4 | 1.2 | 20.2 | 76.2 | 36.0 | 998.8 | 0.0 |
| | 12:15 | 1 | 3 | 4 | 4 | 3 | 1.5 | 24.9 | 75.2 | 35.0 | 998.7 | 0.0 |
| | 12:30 | 1 | 3 | 3 | 4 | 4 | 2.1 | 42.9 | 75.9 | 33.0 | 998.6 | 0.0 |
| | 12:45 | 1 | 3 | 4 | 4 | 4 | 1.8 | 19.9 | 75.9 | 33.0 | 998.4 | 0.0 |
| | 13:00 | 1 | 3 | 4 | 5 | 5 | 2.0 | 49.3 | 75.7 | 33.0 | 998.3 | 0.0 |
| | 13:15 | 1 | 3 | 3 | 4 | 4 | 1.4 | 352.3 | 77.7 | 31.0 | 998.2 | 0.0 |
| | 13:30 | 0 | 3 | 7 | 14 | 13 | 1.3 | 16.1 | 78.7 | 31.0 | 998.0 | 0.0 |
| | 13:45 | 1 | 3 | 4 | 6 | 6 | 1.6 | 11.2 | 78.3 | 32.0 | 997.9 | 0.0 |
| | 14:00 | 1 | 4 | 4 | 12 | 11 | 1.7 | 19.2 | 78.1 | 30.0 | 997.8 | 0.0 |
| | 14:15 | 0 | 4 | 4 | 4 | 4 | 1.8 | 24.6 | 77.8 | 27.0 | 997.6 | 0.0 |
| | 14:30 | 0 | 3 | 3 | 5 | 5 | 1.2 | 355.0 | 79.4 | 27.0 | 997.4 | 0.0 |
| | 14:45 | 0 | 3 | 3 | 4 | 4 | 2.0 | 33.4 | 78.2 | 28.0 | 997.3 | 0.0 |
| | 15:00 | 0 | 3 | 3 | 4 | 4 | 1.5 | 12.4 | 78.7 | 27.0 | 997.1 | 0.0 |
| | 15:15 | 0 | 3 | 3 | 7 | 7 | 2.6 | 45.4 | 77.9 | 29.0 | 997.0 | 0.0 |
| | 15:30 | 0 | 3 | 3 | 4 | 4 | 1.1 | 14.0 | 78.8 | 27.0 | 996.9 | 0.0 |
| | 15:45 | 0 | 3 | 2 | 4 | 4 | 1.6 | 37.8 | 78.5 | 26.0 | 996.8 | 0.0 |
| | 16:00 | 0 | 2 | 2 | 3 | 3 | 1.5 | 6.9 | 78.3 | 26.0 | 996.8 | 0.0 |
| | 16:15 | 0 | 3 | 3 | 3 | 3 | 1.4 | 16.9 | 78.8 | 27.0 | 996.8 | 0.0 |
| | 16:30 | 0 | 3 | 3 | 3 | 3 | 1.4 | 5.1 | 78.0 | 26.0 | 996.7 | 0.0 |
| | 16:45 | 0 | 3 | 3 | 4 | 5 | 1.2 | 0.1 | 78.5 | 29.0 | 996.6 | 0.0 |
| | 17:00 | 0 | 3 | 8 | 3 | 3 | 2.1 | 51.8 | 76.7 | 31.0 | 996.5 | 0.0 |
| | 17:15 | 1 | 3 | 13 | 6 | 5 | 1.8 | 55.0 | 76.1 | 31.0 | 996.6 | 0.0 |
| | 17:30 | 1 | 3 | 2 | 3 | 3 | 1.5 | 35.6 | 76.1 | 31.0 | 996.6 | 0.0 |
| | 17:45 | 1 | 3 | 2 | 3 | 2 | 1.3 | 48.3 | 75.5 | 32.0 | 996.7 | 0.0 |
| | 18:00 | 0 | 3 | 2 | 3 | 2 | 1.6 | 50.5 | 74.3 | 34.0 | 996.8 | 0.0 |
| | 18:15 | 1 | 3 | 2 | 3 | 2 | 1.1 | 55.2 | 73.3 | 37.0 | 996.9 | 0.0 |
| | 18:30 | 1 | 3 | 3 | 3 | 2 | 0.6 | 82.8 | 72.0 | 42.0 | 996.9 | 0.0 |
| | 18:45 | 1 | 3 | 3 | 3 | 2 | 0.3 | 256.1 | 70.3 | 47.0 | 996.9 | 0.0 |
| | 19:00 | 1 | 3 | 3 | 3 | 2 | 0.2 | 302.6 | 68.2 | 52.0 | 996.9 | 0.0 |
| | 19:15 | 1 | 3 | 3 | 3 | 2 | 0.3 | 312.5 | 66.4 | 50.0 | 996.9 | 0.0 |
| | 19:30 | 2 | 3 | 3 | 3 | 2 | 0.3 | 13.9 | 65.6 | 50.0 | 996.9 | 0.0 |
| | 19:45 | 2 | 4 | 4 | 3 | 3 | 0.4 | 305.0 | 64.7 | 52.0 | 997.0 | 0.0 |
| | 20:00 | 2 | 4 | 4 | 4 | 3 | 0.3 | 324.8 | 63.6 | 52.0 | 997.2 | 0.0 |
| | 20:15 | 3 | 150 | 4 | 4 | 3 | 0.4 | 6.2 | 63.1 | 51.0 | 997.3 | 0.0 |
| | 20:30 | 23 | 78 | 13 | 10 | 10 | 0.7 | 20.9 | 64.3 | 49.0 | 997.5 | 0.0 |
| | 20:45 | 7 | 6 | 6 | 6 | 6 | 0.5 | 31.7 | 63.8 | 52.0 | 997.5 | 0.0 |
| | 21:00 | 5 | 12 | 10 | 7 | 7 | 0.3 | 311.5 | 62.5 | 56.0 | 997.6 | 0.0 |
| | 21:15 | 12 | 19 | 25 | 14 | 14 | 0.3 | 332.0 | 61.0 | 60.0 | 997.7 | 0.0 |
| | 21:30 | 18 | 20 | 25 | 10 | 10 | 0.4 | 337.6 | 59.8 | 62.0 | 997.8 | 0.0 |
| | 21:45 | 13 | 12 | 13 | 9 | 9 | 0.6 | 359.4 | 59.2 | 64.0 | 997.9 | 0.0 |
| | 22:00 | 7 | 11 | 12 | 9 | 10 | 0.4 | 346.3 | 59.0 | 63.0 | 997.9 | 0.0 |
| | 22:15 | 5 | 7 | 12 | 7 | 7 | 0.6 | 7.6 | 59.9 | 58.0 | 998.0 | 0.0 |
| | 22:30 | 3 | 3 | 4 | 5 | 5 | 0.7 | 15.7 | 61.2 | 56.0 | 998.1 | 0.0 |
| | 22:45 | 2 | 2 | 2 | 2 | 2 | 0.6 | 35.9 | 60.6 | 60.0 | 998.1 | 0.0 |
| | 23:00 | 2 | 4 | 4 | 3 | 3 | 0.6 | 31.9 | 60.2 | 59.0 | 998.3 | 0.0 |
| | 23:15 | 2 | 2 | 3 | 3 | 3 | 0.6 | 24.2 | 60.1 | 60.0 | 998.3 | 0.0 |
| | 23:30 | 1 | 2 | 2 | 2 | 2 | 0.6 | 8.7 | 59.4 | 62.0 | 998.3 | 0.0 |
| | 23:45 | 1 | 3 | 3 | 2 | 2 | 0.4 | 9.2 | 58.2 | 66.0 | 998.3 | 0.0 |
| | 00:00 | 2 | 5 | 6 | 4 | 3 | 0.5 | 340.7 | 57.6 | 66.0 | 998.2 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/15/2023 | 00:15 | 2 | 4 | 7 | 4 | 4 | 0.4 | 321.1 | 57.5 | 66.0 | 998.1 | 0.0 |
| | 00:30 | 2 | 2 | 3 | 3 | 2 | 0.3 | 330.8 | 57.2 | 68.0 | 998.2 | 0.0 |
| | 00:45 | 2 | 2 | 3 | 2 | 2 | 0.5 | 340.4 | 56.9 | 70.0 | 998.2 | 0.0 |
| | 01:00 | 3 | 4 | 5 | 3 | 2 | 0.5 | 355.9 | 56.2 | 71.0 | 998.1 | 0.0 |
| | 01:15 | 3 | 3 | 3 | 3 | 3 | 0.4 | 1.1 | 55.8 | 71.0 | 998.1 | 0.0 |
| | 01:30 | 3 | 3 | 3 | 3 | 3 | 0.5 | 5.7 | 55.4 | 72.0 | 998.1 | 0.0 |
| | 01:45 | 3 | 3 | 3 | 3 | 3 | 0.6 | 26.6 | 55.7 | 70.0 | 998.1 | 0.0 |
| | 02:00 | 3 | 3 | 3 | 3 | 3 | 0.5 | 18.6 | 55.9 | 72.0 | 998.2 | 0.0 |
| | 02:15 | 2 | 2 | 3 | 3 | 2 | 0.5 | 346.3 | 54.9 | 72.0 | 998.1 | 0.0 |
| | 02:30 | 2 | 3 | 3 | 3 | 2 | 0.5 | 303.9 | 54.4 | 74.0 | 998.0 | 0.0 |
| | 02:45 | 3 | 3 | 3 | 3 | 3 | 0.5 | 325.7 | 53.9 | 75.0 | 998.0 | 0.0 |
| | 03:00 | 3 | 3 | 3 | 3 | 3 | 0.8 | 356.3 | 54.4 | 74.0 | 997.9 | 0.0 |
| | 03:15 | 3 | 3 | 3 | 3 | 3 | 0.6 | 350.6 | 54.3 | 74.0 | 997.8 | 0.0 |
| | 03:30 | 3 | 3 | 4 | 3 | 3 | 0.8 | 355.4 | 54.3 | 74.0 | 997.8 | 0.0 |
| | 03:45 | 4 | 4 | 4 | 4 | 4 | 0.6 | 5.3 | 54.0 | 76.0 | 997.7 | 0.0 |
| | 04:00 | 4 | 4 | 5 | 4 | 4 | 0.7 | 21.5 | 53.0 | 77.0 | 997.6 | 0.0 |
| | 04:15 | 4 | 5 | 5 | 5 | 5 | 0.4 | 9.7 | 52.8 | 79.0 | 997.7 | 0.0 |
| | 04:30 | 5 | 5 | 5 | 5 | 5 | 0.4 | 320.5 | 52.0 | 80.0 | 997.7 | 0.0 |
| | 04:45 | 5 | 4 | 5 | 5 | 5 | 0.5 | 312.1 | 51.2 | 82.0 | 997.8 | 0.0 |
| | 05:00 | 4 | 4 | 5 | 5 | 4 | 0.5 | 333.9 | 50.5 | 85.0 | 997.7 | 0.0 |
| | 05:15 | 4 | 4 | 5 | 5 | 5 | 0.4 | 340.4 | 49.9 | 88.0 | 997.8 | 0.0 |
| | 05:30 | 4 | 5 | 5 | 4 | 4 | 0.4 | 332.6 | 49.4 | 89.0 | 997.6 | 0.0 |
| | 05:45 | 4 | 6 | 7 | 5 | 5 | 0.5 | 273.1 | 49.1 | 89.0 | 997.8 | 0.0 |
| | 06:00 | 4 | 5 | 5 | 4 | 4 | 0.4 | 308.6 | 48.7 | 90.0 | 997.9 | 0.0 |
| | 06:15 | 4 | 5 | 6 | 4 | 4 | 0.4 | 339.9 | 48.3 | 92.0 | 998.0 | 0.0 |
| | 06:30 | 4 | 5 | 5 | 4 | 5 | 0.4 | 336.2 | 48.2 | 93.0 | 998.1 | 0.0 |
| | 06:45 | 4 | 4 | 5 | 5 | 4 | 0.4 | 329.6 | 48.2 | 93.0 | 998.3 | 0.0 |
| | 07:00 | 4 | 4 | 6 | 4 | 4 | 0.4 | 304.8 | 48.7 | 92.0 | 998.5 | 0.0 |
| | 07:15 | 4 | 4 | 5 | 4 | 4 | 0.4 | 342.2 | 51.2 | 84.0 | 998.5 | 0.0 |
| | 07:30 | 4 | 4 | 5 | 5 | 5 | 0.5 | 351.1 | 53.8 | 77.0 | 998.5 | 0.0 |
| | 07:45 | 3 | 6 | 6 | 6 | 6 | 0.7 | 27.7 | 55.8 | 74.0 | 998.4 | 0.0 |
| | 08:00 | 4 | 0 | 4 | 6 | 6 | 0.9 | 30.6 | 57.0 | 72.0 | 998.4 | 0.0 |
| | 08:15 | 6 | 0 | 6 | 3 | 3 | 1.2 | 37.2 | 57.0 | 73.0 | 998.3 | 0.0 |
| | 08:30 | 5 | 0 | 7 | 5 | 5 | 1.0 | 56.8 | 57.9 | 72.0 | 998.4 | 0.0 |
| | 08:45 | 5 | 0 | 5 | 5 | 5 | 1.0 | 40.3 | 59.3 | 71.0 | 998.4 | 0.0 |
| | 09:00 | 4 | 0 | 5 | 5 | 5 | 0.7 | 84.9 | 62.2 | 66.0 | 998.4 | 0.0 |
| | 09:15 | 5 | 0 | 5 | 5 | 5 | 0.9 | 84.2 | 64.2 | 65.0 | 998.2 | 0.0 |
| | 09:30 | 5 | 0 | 5 | 5 | 5 | 1.1 | 31.3 | 66.2 | 60.0 | 998.2 | 0.0 |
| | 09:45 | 5 | 0 | 6 | 5 | 5 | 1.1 | 52.9 | 68.2 | 57.0 | 998.2 | 0.0 |
| | 10:00 | 5 | 0 | 6 | 5 | 5 | 0.6 | 71.5 | 70.2 | 49.0 | 998.1 | 0.0 |
| | 10:15 | 6 | 0 | 7 | 7 | 6 | 0.7 | 349.6 | 74.1 | 47.0 | 997.9 | 0.0 |
| | 10:30 | 5 | 0 | 6 | 14 | 14 | 0.9 | 33.9 | 74.2 | 44.0 | 997.8 | 0.0 |
| | 10:45 | 4 | 0 | 5 | 21 | 20 | 0.8 | 32.2 | 76.1 | 40.0 | 997.8 | 0.0 |
| | 11:00 | 3 | 1 | 5 | 17 | 25 | 0.9 | 35.5 | 76.8 | 37.0 | 997.7 | 0.0 |
| | 11:15 | 3 | 4 | 4 | 6 | 5 | 0.9 | 185.9 | 77.0 | 36.0 | 997.6 | 0.0 |
| | 11:30 | 3 | 4 | 5 | 5 | 5 | 1.3 | 83.7 | 76.5 | 38.0 | 997.4 | 0.0 |
| | 11:45 | 4 | 4 | 5 | 6 | 6 | 1.3 | 38.0 | 77.6 | 37.0 | 997.3 | 0.0 |
| | 12:00 | 3 | 5 | 5 | 7 | 7 | 0.9 | 349.5 | 78.1 | 35.0 | 997.3 | 0.0 |
| | 12:15 | 3 | 4 | 5 | 6 | 6 | 1.0 | 268.5 | 79.6 | 34.0 | 997.2 | 0.0 |
| | 12:30 | 3 | 5 | 5 | 7 | 6 | 1.7 | 101.7 | 78.9 | 36.0 | 997.0 | 0.0 |
| | 12:45 | 4 | 5 | 5 | 7 | 7 | 1.3 | 231.0 | 79.7 | 34.0 | 996.9 | 0.0 |
| | 13:00 | 4 | 5 | 6 | 7 | 6 | 1.2 | 168.8 | 79.4 | 33.0 | 996.9 | 0.0 |
| | 13:15 | 4 | 6 | 5 | 6 | 7 | 0.8 | 335.9 | 81.3 | 31.0 | 996.8 | 0.0 |
| | 13:30 | 3 | 16 | 5 | 6 | 5 | 1.0 | 317.2 | 83.6 | 31.0 | 996.5 | 0.0 |
| | 13:45 | 3 | 6 | 6 | 8 | 8 | 1.1 | 266.8 | 83.7 | 30.0 | 996.3 | 0.0 |
| | 14:00 | 3 | 5 | 6 | 9 | 9 | 1.1 | 291.9 | 84.2 | 29.0 | 996.1 | 0.0 |
| | 14:15 | 2 | 4 | 8 | 12 | 12 | 1.1 | 267.8 | 83.6 | 31.0 | 995.8 | 0.0 |
| | 14:30 | 4 | 5 | 4 | 5 | 5 | 0.9 | 327.5 | 83.3 | 29.0 | 995.7 | 0.0 |
| | 14:45 | 2 | 4 | 6 | 8 | 9 | 0.8 | 270.1 | 83.3 | 28.0 | 995.6 | 0.0 |
| | 15:00 | 3 | 5 | 7 | 8 | 8 | 1.2 | 277.7 | 83.6 | 28.0 | 995.4 | 0.0 |
| | 15:15 | 2 | 4 | 4 | 15 | 16 | 1.1 | 29.8 | 82.6 | 29.0 | 995.3 | 0.0 |
| | 15:30 | 2 | 4 | 4 | 5 | 5 | 0.8 | 232.1 | 83.3 | 27.0 | 995.1 | 0.0 |
| | 15:45 | 12 | 5 | 4 | 6 | 5 | 1.3 | 242.0 | 83.1 | 28.0 | 995.1 | 0.0 |
| | 16:00 | 9 | 5 | 4 | 5 | 5 | 1.0 | 256.9 | 83.7 | 26.0 | 994.9 | 0.0 |
| | 16:15 | 3 | 4 | 4 | 8 | 9 | 1.4 | 269.8 | 82.5 | 26.0 | 994.8 | 0.0 |
| | 16:30 | 3 | 7 | 21 | 30 | 30 | 1.4 | 243.1 | 82.6 | 26.0 | 994.6 | 0.0 |
| | 16:45 | 15 | 7 | 6 | 27 | 23 | 1.0 | 269.5 | 84.1 | 27.0 | 994.5 | 0.0 |
| | 17:00 | 4 | 4 | 4 | 5 | 5 | 0.9 | 290.9 | 84.1 | 26.0 | 994.4 | 0.0 |
| | 17:15 | 3 | 4 | 4 | 6 | 5 | 0.9 | 310.6 | 84.1 | 27.0 | 994.4 | 0.0 |
| | 17:30 | 3 | 4 | 4 | 5 | 5 | 0.8 | 299.6 | 84.1 | 25.0 | 994.4 | 0.0 |
| | 17:45 | 3 | 4 | 4 | 5 | 4 | 0.6 | 297.0 | 82.9 | 25.0 | 994.4 | 0.0 |
| | 18:00 | 2 | 3 | 6 | 5 | 5 | 0.6 | 285.9 | 80.8 | 27.0 | 994.4 | 0.0 |
| | 18:15 | 2 | 3 | 3 | 4 | 4 | 0.5 | 290.5 | 78.6 | 28.0 | 994.5 | 0.0 |
| | 18:30 | 2 | 3 | 3 | 4 | 4 | 0.6 | 309.2 | 76.6 | 28.0 | 994.7 | 0.0 |
| | 18:45 | 2 | 3 | 3 | 4 | 4 | 0.6 | 301.3 | 75.2 | 29.0 | 994.7 | 0.0 |
| | 19:00 | 2 | 3 | 4 | 5 | 4 | 0.5 | 283.9 | 73.7 | 34.0 | 994.8 | 0.0 |
| | 19:15 | 3 | 4 | 4 | 5 | 4 | 0.4 | 259.5 | 71.9 | 35.0 | 994.9 | 0.0 |
| | 19:30 | 2 | 3 | 4 | 4 | 4 | 0.4 | 262.1 | 70.3 | 38.0 | 995.0 | 0.0 |
| | 19:45 | 2 | 3 | 3 | 4 | 4 | 0.4 | 296.3 | 68.9 | 39.0 | 995.0 | 0.0 |
| | 20:00 | 3 | 3 | 4 | 4 | 3 | 0.4 | 252.3 | 68.1 | 46.0 | 995.1 | 0.0 |
| | 20:15 | 3 | 3 | 4 | 4 | 3 | 0.3 | 282.4 | 66.4 | 48.0 | 995.2 | 0.0 |
| | 20:30 | 3 | 3 | 5 | 4 | 4 | 0.4 | 315.4 | 65.4 | 51.0 | 995.3 | 0.0 |
| | 20:45 | 4 | 4 | 4 | 4 | 4 | 0.4 | 315.8 | 64.5 | 51.0 | 995.4 | 0.0 |
| | 21:00 | 9 | 5 | 5 | 7 | 7 | 0.3 | 345.8 | 64.0 | 53.0 | 995.5 | 0.0 |
| | 21:15 | 5 | 4 | 5 | 5 | 5 | 0.6 | 23.4 | 63.8 | 61.0 | 995.6 | 0.0 |
| | 21:30 | 5 | 5 | 6 | 5 | 5 | 0.6 | 350.1 | 63.3 | 52.0 | 995.7 | 0.0 |
| | 21:45 | 8 | 8 | 7 | 7 | 7 | 0.6 | 287.9 | 63.8 | 56.0 | 995.6 | 0.0 |
| | 22:00 | 6 | 7 | 7 | 6 | 6 | 0.6 | 282.2 | 63.3 | 55.0 | 995.5 | 0.0 |
| | 22:15 | 5 | 5 | 6 | 5 | 5 | 0.7 | 272.4 | 62.0 | 60.0 | 995.6 | 0.0 |
| | 22:30 | 7 | 6 | 7 | 7 | 7 | 0.3 | 333.1 | 60.7 | 63.0 | 995.7 | 0.0 |
| | 22:45 | 7 | 6 | 7 | 7 | 7 | 0.4 | 310.1 | 59.6 | 67.0 | 995.7 | 0.0 |
| | 23:00 | 7 | 6 | 7 | 7 | 6 | 0.4 | 284.3 | 58.6 | 72.0 | 995.7 | 0.0 |
| | 23:15 | 6 | 5 | 6 | 6 | 7 | 0.3 | 40.5 | 57.6 | 75.0 | 995.6 | 0.0 |
| | 23:30 | 5 | 4 | 5 | 6 | 5 | 0.4 | 339.8 | 56.9 | 75.0 | 995.6 | 0.0 |
| | 23:45 | 5 | 5 | 6 | 5 | 5 | 0.5 | 315.2 | 56.5 | 77.0 | 995.5 | 0.0 |
| | 00:00 | 5 | 5 | 6 | 5 | 5 | 0.5 | 323.3 | 56.6 | 76.0 | 995.4 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/16/2023 | 00:15 | 5 | 5 | 5 | 5 | 5 | 0.3 | 334.1 | 56.5 | 75.0 | 995.3 | 0.0 |
| | 00:30 | 5 | 5 | 5 | 5 | 5 | 0.5 | 7.9 | 56.2 | 78.0 | 995.2 | 0.0 |
| | 00:45 | 4 | 5 | 5 | 5 | 5 | 0.5 | 9.3 | 55.7 | 80.0 | 995.2 | 0.0 |
| | 01:00 | 4 | 5 | 5 | 5 | 5 | 0.4 | 7.1 | 55.3 | 79.0 | 995.3 | 0.0 |
| | 01:15 | 4 | 5 | 5 | 5 | 5 | 0.4 | 11.1 | 55.1 | 79.0 | 995.3 | 0.0 |
| | 01:30 | 4 | 4 | 4 | 5 | 5 | 0.4 | 338.4 | 55.0 | 80.0 | 995.2 | 0.0 |
| | 01:45 | 4 | 4 | 5 | 5 | 5 | 0.7 | 286.0 | 55.6 | 77.0 | 995.1 | 0.0 |
| | 02:00 | 5 | 6 | 5 | 5 | 5 | 0.6 | 319.5 | 56.1 | 76.0 | 995.2 | 0.0 |
| | 02:15 | 10 | 10 | 9 | 9 | 9 | 0.5 | 293.5 | 56.0 | 76.0 | 995.2 | 0.0 |
| | 02:30 | 8 | 9 | 9 | 9 | 9 | 0.5 | 295.3 | 55.9 | 76.0 | 995.2 | 0.0 |
| | 02:45 | 7 | 8 | 8 | 7 | 7 | 0.5 | 294.7 | 55.8 | 77.0 | 995.1 | 0.0 |
| | 03:00 | 6 | 7 | 7 | 6 | 7 | 0.4 | 303.8 | 55.6 | 78.0 | 995.1 | 0.0 |
| | 03:15 | 6 | 7 | 7 | 7 | 7 | 0.4 | 301.0 | 55.3 | 78.0 | 995.0 | 0.0 |
| | 03:30 | 6 | 6 | 7 | 6 | 7 | 0.4 | 325.3 | 55.1 | 79.0 | 995.0 | 0.0 |
| | 03:45 | 6 | 6 | 6 | 6 | 6 | 0.3 | 344.7 | 54.9 | 82.0 | 994.9 | 0.0 |
| | 04:00 | 6 | 6 | 6 | 6 | 6 | 0.4 | 357.4 | 54.5 | 83.0 | 994.9 | 0.0 |
| | 04:15 | 6 | 6 | 6 | 6 | 6 | 0.4 | 329.7 | 54.3 | 84.0 | 994.8 | 0.0 |
| | 04:30 | 5 | 6 | 6 | 6 | 6 | 0.3 | 312.7 | 54.2 | 85.0 | 994.8 | 0.0 |
| | 04:45 | 5 | 5 | 6 | 5 | 5 | 0.4 | 305.8 | 54.3 | 85.0 | 994.8 | 0.0 |
| | 05:00 | 5 | 5 | 5 | 5 | 5 | 0.5 | 303.7 | 54.7 | 84.0 | 994.8 | 0.0 |
| | 05:15 | 5 | 5 | 5 | 5 | 5 | 0.4 | 285.9 | 54.8 | 85.0 | 994.9 | 0.0 |
| | 05:30 | 6 | 5 | 5 | 6 | 6 | 0.4 | 302.0 | 55.0 | 85.0 | 994.9 | 0.0 |
| | 05:45 | 8 | 5 | 6 | 7 | 7 | 0.3 | 301.8 | 54.5 | 87.0 | 995.0 | 0.0 |
| | 06:00 | 5 | 5 | 5 | 6 | 6 | 0.5 | 311.3 | 54.1 | 87.0 | 995.0 | 0.0 |
| | 06:15 | 5 | 5 | 6 | 6 | 6 | 0.5 | 324.0 | 53.8 | 87.0 | 995.2 | 0.0 |
| | 06:30 | 7 | 6 | 6 | 6 | 7 | 0.5 | 310.7 | 53.6 | 88.0 | 995.2 | 0.0 |
| | 06:45 | 7 | 6 | 6 | 7 | 8 | 0.4 | 334.8 | 53.4 | 88.0 | 995.3 | 0.0 |
| | 07:00 | 6 | 6 | 6 | 6 | 6 | 0.3 | 346.8 | 53.5 | 87.0 | 995.3 | 0.0 |
| | 07:15 | 5 | 6 | 6 | 5 | 6 | 0.3 | 321.3 | 54.1 | 85.0 | 995.4 | 0.0 |
| | 07:30 | 5 | 5 | 5 | 5 | 5 | 0.4 | 21.0 | 55.4 | 81.0 | 995.5 | 0.0 |
| | 07:45 | 5 | 5 | 5 | 5 | 5 | 0.5 | 321.9 | 56.5 | 77.0 | 995.6 | 0.0 |
| | 08:00 | 2 | 3 | 6 | 5 | 5 | 0.4 | 308.0 | 57.5 | 77.0 | 995.7 | 0.0 |
| | 08:15 | 8 | 6 | 4 | 2 | 3 | 0.3 | 281.5 | 58.8 | 75.0 | 995.5 | 0.0 |
| | 08:30 | 17 | 8 | 6 | 7 | 6 | 0.5 | 50.3 | 60.2 | 72.0 | 995.4 | 0.0 |
| | 08:45 | 20 | 9 | 7 | 5 | 6 | 0.3 | 159.2 | 61.6 | 71.0 | 995.4 | 0.0 |
| | 09:00 | 8 | 8 | 6 | 6 | 6 | 0.3 | 4.2 | 63.0 | 70.0 | 995.4 | 0.0 |
| | 09:15 | 6 | 6 | 6 | 5 | 5 | 0.4 | 240.8 | 64.4 | 63.0 | 995.5 | 0.0 |
| | 09:30 | 21 | 7 | 6 | 5 | 5 | 0.6 | 216.4 | 66.9 | 55.0 | 995.4 | 0.0 |
| | 09:45 | 38 | 20 | 6 | 6 | 6 | 1.1 | 254.4 | 68.7 | 54.0 | 995.3 | 0.0 |
| | 10:00 | 24 | 26 | 15 | 7 | 6 | 0.9 | 209.4 | 72.0 | 49.0 | 995.3 | 0.0 |
| | 10:15 | 9 | 9 | 8 | 36 | 45 | 1.3 | 223.4 | 73.4 | 45.0 | 995.3 | 0.0 |
| | 10:30 | 19 | 15 | 9 | 19 | 12 | 1.3 | 239.0 | 74.2 | 45.0 | 995.3 | 0.0 |
| | 10:45 | 23 | 8 | 5 | 5 | 4 | 1.3 | 234.5 | 76.1 | 39.0 | 995.3 | 0.0 |
| | 11:00 | 22 | 11 | 15 | 18 | 13 | 1.0 | 214.3 | 76.1 | 38.0 | 995.2 | 0.0 |
| | 11:15 | 41 | 13 | 12 | 14 | 18 | 0.6 | 235.7 | 78.0 | 34.0 | 995.1 | 0.0 |
| | 11:30 | 4 | 5 | 19 | 42 | 45 | 0.7 | 263.6 | 78.8 | 33.0 | 995.0 | 0.0 |
| | 11:45 | 3 | 5 | 7 | 48 | 64 | 0.6 | 267.0 | 79.3 | 35.0 | 995.0 | 0.0 |
| | 12:00 | 9 | 7 | 25 | 35 | 27 | 0.5 | 219.8 | 79.4 | 31.0 | 995.1 | 0.0 |
| | 12:15 | 3 | 5 | 7 | 6 | 6 | 0.6 | 287.3 | 78.5 | 32.0 | 995.1 | 0.0 |
| | 12:30 | 3 | 5 | 4 | 5 | 5 | 0.6 | 290.9 | 77.6 | 34.0 | 995.0 | 0.0 |
| | 12:45 | 3 | 4 | 4 | 5 | 5 | 0.5 | 288.2 | 76.6 | 37.0 | 994.9 | 0.0 |
| | 13:00 | 4 | 5 | 5 | 5 | 4 | 0.5 | 317.8 | 76.1 | 37.0 | 994.8 | 0.0 |
| | 13:15 | 4 | 5 | 5 | 5 | 5 | 0.7 | 342.4 | 75.7 | 37.0 | 994.7 | 0.0 |
| | 13:30 | 4 | 5 | 5 | 6 | 6 | 0.8 | 327.7 | 75.3 | 38.0 | 994.7 | 0.0 |
| | 13:45 | 4 | 5 | 6 | 6 | 6 | 0.6 | 301.3 | 75.1 | 40.0 | 994.7 | 0.0 |
| | 14:00 | 4 | 5 | 5 | 5 | 5 | 0.5 | 312.3 | 75.7 | 40.0 | 994.7 | 0.0 |
| | 14:15 | 4 | 5 | 5 | 5 | 5 | 0.7 | 339.1 | 75.8 | 40.0 | 994.4 | 0.0 |
| | 14:30 | 4 | 5 | 6 | 6 | 6 | 0.8 | 337.2 | 75.8 | 41.0 | 994.2 | 0.0 |
| | 14:45 | 4 | 5 | 6 | 6 | 6 | 0.5 | 344.3 | 76.3 | 40.0 | 994.1 | 0.0 |
| | 15:00 | 4 | 6 | 6 | 6 | 6 | 0.9 | 13.6 | 76.4 | 41.0 | 993.9 | 0.0 |
| | 15:15 | 4 | 5 | 6 | 6 | 6 | 0.6 | 306.0 | 77.4 | 40.0 | 993.8 | 0.0 |
| | 15:30 | 5 | 6 | 6 | 9 | 9 | 0.5 | 298.2 | 77.8 | 40.0 | 993.7 | 0.0 |
| | 15:45 | 4 | 6 | 6 | 6 | 7 | 0.7 | 285.4 | 77.2 | 42.0 | 993.7 | 0.0 |
| | 16:00 | 4 | 6 | 6 | 17 | 18 | 0.8 | 256.5 | 76.3 | 43.0 | 993.5 | 0.0 |
| | 16:15 | 5 | 6 | 8 | 14 | 12 | 0.5 | 327.0 | 76.1 | 45.0 | 993.3 | 0.0 |
| | 16:30 | 5 | 6 | 6 | 6 | 6 | 0.7 | 13.3 | 75.6 | 46.0 | 993.2 | 0.0 |
| | 16:45 | 5 | 6 | 6 | 7 | 7 | 0.6 | 346.7 | 74.8 | 47.0 | 993.2 | 0.0 |
| | 17:00 | 5 | 6 | 6 | 7 | 7 | 0.4 | 258.9 | 74.4 | 53.0 | 992.9 | 0.0 |
| | 17:15 | 6 | 6 | 6 | 6 | 6 | 0.4 | 230.7 | 73.3 | 56.0 | 992.6 | 0.0 |
| | 17:30 | 5 | 7 | 6 | 6 | 6 | 0.4 | 203.4 | 72.8 | 56.0 | 992.5 | 0.0 |
| | 17:45 | 5 | 6 | 6 | 6 | 6 | 0.4 | 214.8 | 72.7 | 58.0 | 992.4 | 0.0 |
| | 18:00 | 5 | 6 | 6 | 6 | 6 | 0.4 | 230.4 | 72.3 | 58.0 | 992.4 | 0.0 |
| | 18:15 | 5 | 6 | 6 | 6 | 6 | 0.3 | 196.0 | 71.6 | 60.0 | 992.4 | 0.0 |
| | 18:30 | 5 | 6 | 6 | 6 | 6 | 0.4 | 213.8 | 70.7 | 60.0 | 992.4 | 0.0 |
| | 18:45 | 6 | 6 | 6 | 6 | 6 | 0.4 | 240.6 | 69.8 | 62.0 | 992.4 | 0.0 |
| | 19:00 | 6 | 6 | 7 | 7 | 6 | 0.6 | 258.6 | 69.6 | 62.0 | 992.6 | 0.0 |
| | 19:15 | 6 | 6 | 7 | 6 | 6 | 0.4 | 264.2 | 69.1 | 64.0 | 992.7 | 0.0 |
| | 19:30 | 7 | 7 | 7 | 8 | 8 | 0.3 | 247.3 | 68.8 | 64.0 | 992.7 | 0.0 |
| | 19:45 | 8 | 9 | 9 | 9 | 9 | 0.4 | 289.2 | 68.5 | 66.0 | 992.8 | 0.0 |
| | 20:00 | 8 | 9 | 8 | 8 | 8 | 1.0 | 297.6 | 67.9 | 65.0 | 993.8 | 0.0 |
| | 20:15 | 5 | 6 | 6 | 7 | 7 | 0.8 | 293.3 | 65.5 | 80.0 | 994.2 | 0.0 |
| | 20:30 | 2 | 3 | 3 | 3 | 3 | 1.4 | 12.1 | 61.7 | 89.0 | 993.7 | 0.0 |
| | 20:45 | 2 | 2 | 2 | 2 | 2 | 0.7 | 354.4 | 60.6 | 91.0 | 993.6 | 0.0 |
| | 21:00 | 1 | 2 | 2 | 2 | 2 | 0.4 | 21.4 | 60.4 | 92.0 | 993.3 | 0.0 |
| | 21:15 | 1 | 2 | 2 | 2 | 2 | 0.4 | 327.9 | 60.0 | 94.0 | 993.1 | 0.0 |
| | 21:30 | 1 | 2 | 2 | 2 | 2 | 0.4 | 34.1 | 59.8 | 94.0 | 992.8 | 0.0 |
| | 21:45 | 1 | 2 | 2 | 2 | 2 | 0.4 | 74.2 | 59.4 | 94.0 | 992.6 | 0.0 |
| | 22:00 | 1 | 1 | 2 | 1 | 1 | 0.4 | 328.6 | 58.9 | 95.0 | 992.4 | 0.0 |
| | 22:15 | 1 | 1 | 2 | 2 | 1 | 0.5 | 24.6 | 58.4 | 96.0 | 992.4 | 0.0 |
| | 22:30 | 1 | 1 | 2 | 1 | 2 | 0.5 | 322.5 | 58.2 | 96.0 | 992.3 | 0.0 |
| | 22:45 | 1 | 2 | 1 | 1 | 2 | 0.6 | 284.0 | 57.9 | 97.0 | 992.4 | 0.0 |
| | 23:00 | 1 | 2 | 2 | 1 | 2 | 0.8 | 261.3 | 58.0 | 96.0 | 992.3 | 0.0 |
| | 23:15 | 2 | 2 | 2 | 2 | 2 | 0.6 | 281.3 | 57.9 | 97.0 | 992.3 | 0.0 |
| | 23:30 | 2 | 2 | 2 | 2 | 2 | 0.8 | 307.0 | 57.9 | 96.0 | 992.7 | 0.0 |
| | 23:45 | 2 | 2 | 2 | 2 | 3 | 0.5 | 319.5 | 57.5 | 96.0 | 992.7 | 0.0 |
| | 00:00 | 2 | 3 | 3 | 3 | 3 | 0.6 | 320.9 | 57.0 | 96.0 | 992.8 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/17/2023 | 00:15 | 2 | 2 | 2 | 3 | 3 | 0.6 | 335.4 | 56.7 | 96.0 | 992.8 | 0.0 |
| | 00:30 | 2 | 2 | 2 | 2 | 2 | 0.4 | 318.7 | 56.4 | 97.0 | 992.8 | 0.0 |
| | 00:45 | 2 | 2 | 2 | 2 | 2 | 0.4 | 314.5 | 56.3 | 97.0 | 992.5 | 0.0 |
| | 01:00 | 2 | 2 | 2 | 2 | 3 | 0.4 | 303.7 | 56.1 | 97.0 | 992.6 | 0.0 |
| | 01:15 | 2 | 3 | 3 | 3 | 3 | 0.4 | 292.7 | 55.9 | 98.0 | 992.7 | 0.0 |
| | 01:30 | 3 | 3 | 4 | 3 | 4 | 0.6 | 288.1 | 55.9 | 97.0 | 992.6 | 0.0 |
| | 01:45 | 3 | 3 | 4 | 4 | 4 | 0.5 | 288.8 | 55.6 | 98.0 | 992.4 | 0.0 |
| | 02:00 | 3 | 3 | 3 | 3 | 3 | 0.6 | 279.8 | 55.6 | 98.0 | 992.2 | 0.0 |
| | 02:15 | 3 | 3 | 4 | 3 | 3 | 0.9 | 267.8 | 55.8 | 98.0 | 992.2 | 0.0 |
| | 02:30 | 3 | 3 | 4 | 4 | 4 | 0.7 | 268.8 | 55.7 | 99.0 | 992.1 | 0.0 |
| | 02:45 | 3 | 4 | 4 | 4 | 4 | 0.8 | 272.8 | 55.8 | 99.0 | 991.7 | 0.0 |
| | 03:00 | 3 | 3 | 4 | 4 | 4 | 0.5 | 287.2 | 56.3 | 99.0 | 991.8 | 0.0 |
| | 03:15 | 3 | 3 | 3 | 4 | 4 | 0.7 | 261.5 | 56.5 | 99.0 | 991.6 | 0.0 |
| | 03:30 | 3 | 3 | 4 | 4 | 4 | 0.5 | 279.5 | 56.5 | 99.0 | 991.6 | 0.0 |
| | 03:45 | 3 | 3 | 3 | 3 | 4 | 0.4 | 300.0 | 56.5 | 99.0 | 991.6 | 0.0 |
| | 04:00 | 3 | 3 | 4 | 3 | 3 | 0.4 | 318.2 | 56.5 | 99.0 | 991.7 | 0.0 |
| | 04:15 | 3 | 4 | 4 | 3 | 4 | 0.4 | 326.7 | 56.3 | 99.0 | 991.8 | 0.0 |
| | 04:30 | 3 | 4 | 4 | 4 | 4 | 0.4 | 312.6 | 56.3 | 99.0 | 992.0 | 0.0 |
| | 04:45 | 2 | 3 | 3 | 3 | 3 | 0.5 | 317.0 | 56.4 | 99.0 | 992.1 | 0.0 |
| | 05:00 | 2 | 3 | 3 | 3 | 3 | 0.5 | 323.6 | 56.6 | 99.0 | 992.2 | 0.0 |
| | 05:15 | 3 | 4 | 4 | 4 | 4 | 0.6 | 333.8 | 56.6 | 99.0 | 992.3 | 0.0 |
| | 05:30 | 3 | 4 | 4 | 4 | 4 | 0.6 | 333.7 | 56.2 | 98.0 | 992.4 | 0.0 |
| | 05:45 | 3 | 3 | 4 | 3 | 3 | 0.6 | 321.4 | 55.9 | 98.0 | 992.4 | 0.0 |
| | 06:00 | 3 | 3 | 4 | 3 | 4 | 0.6 | 332.3 | 55.8 | 98.0 | 992.5 | 0.0 |
| | 06:15 | 3 | 4 | 4 | 3 | 4 | 0.5 | 303.9 | 55.8 | 98.0 | 992.6 | 0.0 |
| | 06:30 | 2 | 3 | 3 | 3 | 3 | 0.4 | 332.7 | 55.9 | 99.0 | 992.7 | 0.0 |
| | 06:45 | 2 | 3 | 3 | 3 | 3 | 0.5 | 327.9 | 56.0 | 99.0 | 992.7 | 0.0 |
| | 07:00 | 3 | 3 | 3 | 3 | 3 | 0.5 | 312.7 | 56.1 | 98.0 | 992.8 | 0.0 |
| | 07:15 | 3 | 3 | 4 | 3 | 4 | 0.5 | 324.7 | 56.4 | 98.0 | 992.9 | 0.0 |
| | 07:30 | 3 | 4 | 4 | 4 | 4 | 0.5 | 336.7 | 56.7 | 98.0 | 992.9 | 0.0 |
| | 07:45 | 3 | 4 | 4 | 4 | 4 | 0.5 | 326.5 | 57.0 | 98.0 | 992.9 | 0.0 |
| | 08:00 | 3 | 4 | 4 | 4 | 4 | 0.6 | 297.8 | 57.0 | 97.0 | 992.9 | 0.0 |
| | 08:15 | 3 | 3 | 3 | 3 | 3 | 0.7 | 342.5 | 57.3 | 96.0 | 992.9 | 0.0 |
| | 08:30 | 3 | 3 | 3 | 3 | 4 | 0.8 | 266.7 | 57.1 | 98.0 | 992.9 | 0.0 |
| | 08:45 | 3 | 4 | 4 | 3 | 4 | 0.8 | 261.1 | 57.2 | 97.0 | 992.8 | 0.0 |
| | 09:00 | 3 | 3 | 3 | 3 | 4 | 0.5 | 318.0 | 58.5 | 94.0 | 992.8 | 0.0 |
| | 09:15 | 3 | 3 | 3 | 3 | 4 | 0.7 | 307.1 | 59.1 | 94.0 | 992.9 | 0.0 |
| | 09:30 | 4 | 5 | 5 | 5 | 5 | 1.1 | 258.6 | 59.1 | 94.0 | 993.0 | 0.0 |
| | 09:45 | 4 | 5 | 5 | 5 | 5 | 1.2 | 248.2 | 59.3 | 94.0 | 993.0 | 0.0 |
| | 10:00 | 5 | 7 | 7 | 6 | 7 | 1.0 | 241.5 | 59.9 | 92.0 | 992.8 | 0.0 |
| | 10:15 | 5 | 7 | 7 | 7 | 7 | 1.2 | 258.4 | 60.8 | 90.0 | 993.0 | 0.0 |
| | 10:30 | 4 | 5 | 5 | 5 | 5 | 1.5 | 254.7 | 61.6 | 88.0 | 993.0 | 0.0 |
| | 10:45 | 3 | 4 | 4 | 4 | 4 | 0.7 | 277.0 | 62.9 | 84.0 | 993.3 | 0.0 |
| | 11:00 | 4 | 4 | 4 | 5 | 5 | 0.7 | 247.0 | 63.0 | 84.0 | 993.3 | 0.0 |
| | 11:15 | 4 | 5 | 5 | 6 | 5 | 0.7 | 291.3 | 64.7 | 78.0 | 993.5 | 0.0 |
| | 11:30 | 4 | 6 | 6 | 6 | 6 | 0.7 | 253.7 | 65.6 | 76.0 | 993.4 | 0.0 |
| | 11:45 | 4 | 5 | 5 | 6 | 5 | 0.8 | 312.7 | 67.8 | 71.0 | 993.3 | 0.0 |
| | 12:00 | 6 | 6 | 7 | 6 | 7 | 0.8 | 309.4 | 68.7 | 69.0 | 993.4 | 0.0 |
| | 12:15 | 5 | 5 | 6 | 6 | 6 | 1.0 | 332.7 | 68.1 | 67.0 | 993.4 | 0.0 |
| | 12:30 | 4 | 4 | 5 | 5 | 5 | 0.9 | 328.6 | 69.7 | 65.0 | 993.3 | 0.0 |
| | 12:45 | 4 | 4 | 4 | 4 | 4 | 1.0 | 336.5 | 71.1 | 62.0 | 993.3 | 0.0 |
| | 13:00 | 3 | 4 | 4 | 4 | 4 | 0.8 | 311.1 | 71.3 | 62.0 | 993.2 | 0.0 |
| | 13:15 | 3 | 4 | 4 | 4 | 4 | 1.0 | 342.7 | 72.3 | 59.0 | 993.1 | 0.0 |
| | 13:30 | 3 | 3 | 4 | 4 | 4 | 1.1 | 342.1 | 71.6 | 60.0 | 993.2 | 0.0 |
| | 13:45 | 3 | 3 | 4 | 4 | 3 | 1.1 | 282.8 | 72.4 | 57.0 | 993.0 | 0.0 |
| | 14:00 | 2 | 3 | 3 | 4 | 4 | 1.0 | 281.0 | 74.0 | 53.0 | 992.9 | 0.0 |
| | 14:15 | 2 | 3 | 3 | 4 | 4 | 1.0 | 322.9 | 74.0 | 54.0 | 992.8 | 0.0 |
| | 14:30 | 2 | 3 | 3 | 4 | 3 | 1.0 | 318.6 | 74.4 | 53.0 | 992.7 | 0.0 |
| | 14:45 | 2 | 3 | 3 | 3 | 3 | 1.0 | 320.7 | 73.8 | 53.0 | 992.6 | 0.0 |
| | 15:00 | 2 | 3 | 3 | 3 | 3 | 1.3 | 340.4 | 75.2 | 53.0 | 992.5 | 0.0 |
| | 15:15 | 2 | 3 | 3 | 3 | 3 | 0.8 | 326.9 | 73.1 | 55.0 | 992.5 | 0.0 |
| | 15:30 | 3 | 4 | 3 | 4 | 4 | 1.2 | 353.9 | 72.4 | 54.0 | 992.5 | 0.0 |
| | 15:45 | 3 | 3 | 4 | 4 | 4 | 1.0 | 336.4 | 74.7 | 49.0 | 992.4 | 0.0 |
| | 16:00 | 3 | 4 | 3 | 4 | 4 | 1.4 | 334.7 | 75.4 | 46.0 | 992.3 | 0.0 |
| | 16:15 | 2 | 4 | 4 | 4 | 4 | 1.1 | 343.7 | 75.9 | 46.0 | 992.3 | 0.0 |
| | 16:30 | 3 | 4 | 4 | 4 | 4 | 0.9 | 315.8 | 75.2 | 47.0 | 992.3 | 0.0 |
| | 16:45 | 3 | 4 | 5 | 5 | 5 | 0.9 | 330.5 | 73.0 | 50.0 | 992.3 | 0.0 |
| | 17:00 | 4 | 5 | 5 | 5 | 5 | 0.8 | 326.4 | 73.3 | 48.0 | 992.3 | 0.0 |
| | 17:15 | 5 | 6 | 6 | 6 | 6 | 1.0 | 319.6 | 73.0 | 50.0 | 992.4 | 0.0 |
| | 17:30 | 5 | 6 | 6 | 6 | 6 | 0.8 | 321.0 | 72.5 | 48.0 | 992.4 | 0.0 |
| | 17:45 | 6 | 6 | 7 | 7 | 7 | 0.8 | 302.7 | 73.6 | 49.0 | 992.5 | 0.0 |
| | 18:00 | 6 | 6 | 7 | 7 | 7 | 0.8 | 312.4 | 73.1 | 51.0 | 992.6 | 0.0 |
| | 18:15 | 6 | 7 | 7 | 7 | 7 | 0.7 | 337.5 | 71.5 | 53.0 | 992.8 | 0.0 |
| | 18:30 | 7 | 8 | 8 | 8 | 8 | 0.8 | 353.9 | 70.6 | 55.0 | 992.9 | 0.0 |
| | 18:45 | 7 | 8 | 8 | 8 | 8 | 0.7 | 331.5 | 69.8 | 58.0 | 993.0 | 0.0 |
| | 19:00 | 8 | 8 | 9 | 9 | 9 | 0.6 | 330.1 | 68.8 | 60.0 | 993.0 | 0.0 |
| | 19:15 | 8 | 9 | 9 | 9 | 9 | 0.6 | 331.4 | 68.2 | 62.0 | 993.0 | 0.0 |
| | 19:30 | 9 | 9 | 10 | 10 | 9 | 0.6 | 316.8 | 67.6 | 63.0 | 993.1 | 0.0 |
| | 19:45 | 8 | 9 | 10 | 10 | 10 | 0.5 | 320.6 | 67.0 | 65.0 | 993.2 | 0.0 |
| | 20:00 | 9 | 10 | 10 | 10 | 10 | 0.6 | 342.2 | 66.3 | 67.0 | 993.3 | 0.0 |
| | 20:15 | 8 | 10 | 10 | 9 | 10 | 0.9 | 350.3 | 65.8 | 68.0 | 993.5 | 0.0 |
| | 20:30 | 9 | 10 | 11 | 10 | 10 | 0.6 | 335.2 | 65.0 | 71.0 | 993.7 | 0.0 |
| | 20:45 | 8 | 10 | 10 | 10 | 10 | 0.6 | 350.8 | 64.3 | 72.0 | 993.9 | 0.0 |
| | 21:00 | 8 | 9 | 9 | 9 | 9 | 0.8 | 355.4 | 63.8 | 72.0 | 994.0 | 0.0 |
| | 21:15 | 7 | 8 | 8 | 8 | 8 | 1.0 | 349.6 | 63.4 | 73.0 | 994.1 | 0.0 |
| | 21:30 | 6 | 6 | 7 | 7 | 6 | 0.9 | 341.8 | 63.0 | 74.0 | 994.2 | 0.0 |
| | 21:45 | 6 | 6 | 7 | 7 | 6 | 0.7 | 331.7 | 62.6 | 75.0 | 994.3 | 0.0 |
| | 22:00 | 5 | 6 | 7 | 6 | 7 | 1.0 | 0.4 | 62.0 | 77.0 | 994.4 | 0.0 |
| | 22:15 | 5 | 6 | 7 | 6 | 6 | 0.8 | 358.1 | 61.6 | 78.0 | 994.5 | 0.0 |
| | 22:30 | 5 | 6 | 6 | 6 | 6 | 0.6 | 345.8 | 60.9 | 80.0 | 994.6 | 0.0 |
| | 22:45 | 5 | 6 | 6 | 5 | 5 | 0.8 | 345.4 | 60.4 | 81.0 | 994.7 | 0.0 |
| | 23:00 | 5 | 6 | 7 | 5 | 6 | 0.8 | 349.3 | 60.0 | 82.0 | 994.7 | 0.0 |
| | 23:15 | 4 | 5 | 6 | 5 | 5 | 0.6 | 345.3 | 59.4 | 83.0 | 994.8 | 0.0 |
| | 23:30 | 5 | 5 | 5 | 6 | 5 | 0.5 | 348.1 | 58.8 | 85.0 | 994.8 | 0.0 |
| | 23:45 | 5 | 5 | 5 | 5 | 5 | 0.4 | 329.6 | 58.3 | 86.0 | 994.8 | 0.0 |
| | 00:00 | 5 | 5 | 6 | 5 | 5 | 0.4 | 321.6 | 57.7 | 88.0 | 994.9 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/18/2023 | 00:15 | 4 | 5 | 6 | 5 | 5 | 0.6 | 300.7 | 57.1 | 89.0 | 995.0 | 0.0 |
| | 00:30 | 4 | 5 | 6 | 5 | 5 | 0.6 | 300.5 | 56.5 | 91.0 | 995.0 | 0.0 |
| | 00:45 | 5 | 6 | 6 | 5 | 5 | 0.5 | 303.8 | 55.8 | 92.0 | 995.0 | 0.0 |
| | 01:00 | 5 | 5 | 6 | 5 | 6 | 0.5 | 307.8 | 55.1 | 93.0 | 995.1 | 0.0 |
| | 01:15 | 5 | 6 | 6 | 6 | 6 | 0.5 | 304.9 | 54.6 | 94.0 | 995.0 | 0.0 |
| | 01:30 | 6 | 7 | 7 | 6 | 7 | 0.5 | 309.5 | 54.3 | 95.0 | 995.0 | 0.0 |
| | 01:45 | 7 | 7 | 8 | 7 | 8 | 0.6 | 301.1 | 54.4 | 96.0 | 995.0 | 0.0 |
| | 02:00 | 7 | 7 | 8 | 7 | 7 | 0.6 | 304.3 | 54.1 | 96.0 | 994.9 | 0.0 |
| | 02:15 | 6 | 7 | 8 | 7 | 7 | 0.6 | 301.3 | 53.8 | 96.0 | 994.9 | 0.0 |
| | 02:30 | 7 | 7 | 8 | 7 | 7 | 0.5 | 291.1 | 53.5 | 96.0 | 994.8 | 0.0 |
| | 02:45 | 6 | 7 | 8 | 7 | 7 | 0.5 | 289.5 | 53.3 | 96.0 | 994.7 | 0.0 |
| | 03:00 | 6 | 7 | 7 | 6 | 6 | 0.5 | 296.1 | 52.9 | 96.0 | 994.7 | 0.0 |
| | 03:15 | 6 | 6 | 7 | 6 | 6 | 0.5 | 303.3 | 52.5 | 97.0 | 994.7 | 0.0 |
| | 03:30 | 5 | 6 | 7 | 6 | 6 | 0.6 | 289.1 | 52.3 | 97.0 | 994.7 | 0.0 |
| | 03:45 | 5 | 6 | 6 | 6 | 6 | 0.6 | 278.8 | 52.0 | 97.0 | 994.7 | 0.0 |
| | 04:00 | 5 | 6 | 6 | 5 | 6 | 0.7 | 289.5 | 51.9 | 98.0 | 994.7 | 0.0 |
| | 04:15 | 6 | 7 | 7 | 6 | 6 | 0.6 | 297.1 | 51.9 | 98.0 | 994.8 | 0.0 |
| | 04:30 | 6 | 7 | 7 | 6 | 6 | 0.6 | 294.1 | 51.7 | 98.0 | 995.0 | 0.0 |
| | 04:45 | 6 | 7 | 8 | 7 | 7 | 0.7 | 288.4 | 51.8 | 98.0 | 995.1 | 0.0 |
| | 05:00 | 7 | 7 | 8 | 7 | 7 | 0.5 | 301.5 | 52.1 | 99.0 | 995.2 | 0.0 |
| | 05:15 | 7 | 8 | 9 | 8 | 8 | 0.5 | 304.5 | 52.4 | 99.0 | 995.2 | 0.0 |
| | 05:30 | 6 | 8 | 9 | 6 | 7 | 0.5 | 290.7 | 52.7 | 99.0 | 995.2 | 0.0 |
| | 05:45 | 6 | 6 | 8 | 7 | 7 | 0.5 | 289.5 | 52.6 | 99.0 | 995.2 | 0.0 |
| | 06:00 | 6 | 7 | 7 | 6 | 6 | 0.5 | 291.2 | 52.3 | 99.0 | 995.4 | 0.0 |
| | 06:15 | 4 | 5 | 6 | 4 | 5 | 0.6 | 282.9 | 52.1 | 98.0 | 995.6 | 0.0 |
| | 06:30 | 4 | 4 | 5 | 4 | 4 | 0.5 | 284.8 | 51.6 | 98.0 | 995.8 | 0.0 |
| | 06:45 | 4 | 4 | 5 | 6 | 6 | 0.5 | 283.9 | 51.4 | 98.0 | 995.8 | 0.0 |
| | 07:00 | 3 | 3 | 3 | 4 | 4 | 0.5 | 295.1 | 51.7 | 99.0 | 995.9 | 0.0 |
| | 07:15 | 2 | 3 | 3 | 2 | 3 | 0.5 | 340.3 | 52.1 | 98.0 | 996.0 | 0.0 |
| | 07:30 | 2 | 3 | 3 | 3 | 3 | 0.4 | 25.2 | 52.3 | 99.0 | 996.1 | 0.0 |
| | 07:45 | 2 | 3 | 3 | 3 | 3 | 0.7 | 27.5 | 52.9 | 98.0 | 996.2 | 0.0 |
| | 08:00 | 2 | 1 | 3 | 3 | 4 | 0.5 | 44.5 | 54.1 | 96.0 | 996.2 | 0.0 |
| | 08:15 | 3 | 4 | 3 | 4 | 5 | 0.4 | 50.4 | 55.4 | 96.0 | 996.3 | 0.0 |
| | 08:30 | 4 | 5 | 5 | 2 | 3 | 0.5 | 36.0 | 57.1 | 92.0 | 996.4 | 0.0 |
| | 08:45 | 5 | 6 | 4 | 4 | 4 | 0.7 | 47.2 | 60.2 | 85.0 | 996.4 | 0.0 |
| | 09:00 | 6 | 8 | 5 | 5 | 5 | 0.8 | 32.4 | 62.6 | 78.0 | 996.4 | 0.0 |
| | 09:15 | 6 | 8 | 7 | 7 | 7 | 0.6 | 14.4 | 65.9 | 71.0 | 996.4 | 0.0 |
| | 09:30 | 5 | 7 | 7 | 7 | 7 | 0.6 | 62.0 | 67.4 | 66.0 | 996.5 | 0.0 |
| | 09:45 | 5 | 6 | 7 | 7 | 6 | 1.0 | 41.0 | 68.0 | 64.0 | 996.6 | 0.0 |
| | 10:00 | 4 | 4 | 6 | 5 | 5 | 0.9 | 51.0 | 68.4 | 63.0 | 996.6 | 0.0 |
| | 10:15 | 3 | 4 | 4 | 4 | 4 | 1.0 | 38.3 | 70.0 | 57.0 | 996.6 | 0.0 |
| | 10:30 | 2 | 3 | 3 | 4 | 3 | 0.8 | 24.9 | 72.0 | 55.0 | 996.7 | 0.0 |
| | 10:45 | 3 | 4 | 4 | 4 | 4 | 0.8 | 18.6 | 73.0 | 46.0 | 996.7 | 0.0 |
| | 11:00 | 2 | 4 | 4 | 6 | 6 | 0.8 | 25.4 | 73.9 | 46.0 | 996.7 | 0.0 |
| | 11:15 | 2 | 4 | 4 | 4 | 4 | 0.8 | 349.0 | 75.1 | 41.0 | 996.6 | 0.0 |
| | 11:30 | 2 | 4 | 5 | 5 | 5 | 0.8 | 354.3 | 76.7 | 37.0 | 996.5 | 0.0 |
| | 11:45 | 2 | 4 | 5 | 5 | 5 | 0.9 | 9.3 | 76.0 | 36.0 | 996.4 | 0.0 |
| | 12:00 | 2 | 4 | 4 | 5 | 4 | 0.9 | 198.2 | 75.8 | 36.0 | 996.2 | 0.0 |
| | 12:15 | 2 | 5 | 4 | 5 | 4 | 1.1 | 212.8 | 76.6 | 36.0 | 996.0 | 0.0 |
| | 12:30 | 2 | 4 | 4 | 5 | 5 | 1.7 | 249.9 | 76.4 | 38.0 | 995.9 | 0.0 |
| | 12:45 | 2 | 4 | 4 | 4 | 4 | 0.9 | 268.2 | 76.1 | 38.0 | 995.7 | 0.0 |
| | 13:00 | 2 | 4 | 4 | 6 | 5 | 1.3 | 21.6 | 77.3 | 38.0 | 995.6 | 0.0 |
| | 13:15 | 2 | 4 | 4 | 5 | 4 | 1.0 | 31.0 | 76.4 | 37.0 | 995.4 | 0.0 |
| | 13:30 | 2 | 4 | 4 | 4 | 5 | 1.2 | 8.7 | 77.4 | 37.0 | 995.2 | 0.0 |
| | 13:45 | 2 | 4 | 4 | 5 | 5 | 0.7 | 227.6 | 76.4 | 35.0 | 995.0 | 0.0 |
| | 14:00 | 2 | 4 | 4 | 14 | 15 | 1.2 | 96.7 | 76.9 | 34.0 | 994.8 | 0.0 |
| | 14:15 | 1 | 4 | 4 | 4 | 4 | 1.3 | 70.2 | 77.9 | 33.0 | 994.6 | 0.0 |
| | 14:30 | 1 | 4 | 3 | 4 | 4 | 1.3 | 30.7 | 78.1 | 31.0 | 994.4 | 0.0 |
| | 14:45 | 1 | 4 | 3 | 6 | 6 | 1.1 | 253.7 | 79.1 | 29.0 | 994.2 | 0.0 |
| | 15:00 | 1 | 4 | 4 | 8 | 8 | 0.9 | 299.8 | 80.6 | 28.0 | 994.0 | 0.0 |
| | 15:15 | 1 | 4 | 3 | 5 | 5 | 0.9 | 326.2 | 80.9 | 28.0 | 993.8 | 0.0 |
| | 15:30 | 1 | 4 | 3 | 5 | 4 | 0.8 | 315.0 | 81.4 | 26.0 | 993.6 | 0.0 |
| | 15:45 | 2 | 4 | 3 | 6 | 6 | 1.1 | 255.6 | 80.7 | 28.0 | 993.4 | 0.0 |
| | 16:00 | 2 | 5 | 3 | 10 | 11 | 1.3 | 238.2 | 79.5 | 28.0 | 993.4 | 0.0 |
| | 16:15 | 2 | 5 | 8 | 11 | 11 | 1.1 | 238.8 | 79.4 | 29.0 | 993.3 | 0.0 |
| | 16:30 | 6 | 6 | 6 | 13 | 13 | 0.7 | 276.8 | 80.4 | 28.0 | 993.1 | 0.0 |
| | 16:45 | 2 | 4 | 4 | 7 | 7 | 1.0 | 227.6 | 80.2 | 29.0 | 993.0 | 0.0 |
| | 17:00 | 3 | 5 | 3 | 12 | 14 | 0.6 | 214.3 | 79.9 | 29.0 | 993.0 | 0.0 |
| | 17:15 | 3 | 4 | 3 | 4 | 4 | 0.9 | 233.1 | 79.8 | 32.0 | 993.1 | 0.0 |
| | 17:30 | 3 | 4 | 3 | 4 | 3 | 0.8 | 203.6 | 78.2 | 32.0 | 993.1 | 0.0 |
| | 17:45 | 2 | 4 | 3 | 4 | 3 | 0.6 | 191.9 | 77.8 | 38.0 | 993.1 | 0.0 |
| | 18:00 | 2 | 4 | 3 | 4 | 3 | 0.5 | 238.4 | 76.2 | 40.0 | 993.2 | 0.0 |
| | 18:15 | 3 | 4 | 3 | 4 | 3 | 0.6 | 228.2 | 73.0 | 43.0 | 993.3 | 0.0 |
| | 18:30 | 4 | 4 | 3 | 4 | 4 | 0.4 | 207.3 | 70.9 | 49.0 | 993.3 | 0.0 |
| | 18:45 | 3 | 4 | 4 | 4 | 4 | 0.3 | 328.8 | 69.0 | 51.0 | 993.4 | 0.0 |
| | 19:00 | 3 | 4 | 4 | 4 | 3 | 0.3 | 29.7 | 67.4 | 55.0 | 993.2 | 0.0 |
| | 19:15 | 3 | 4 | 4 | 5 | 5 | 0.2 | 349.4 | 65.9 | 58.0 | 993.2 | 0.0 |
| | 19:30 | 5 | 6 | 5 | 7 | 7 | 0.2 | 348.7 | 64.4 | 58.0 | 993.3 | 0.0 |
| | 19:45 | 7 | 9 | 10 | 11 | 10 | 0.4 | 38.4 | 63.2 | 63.0 | 993.5 | 0.0 |
| | 20:00 | 10 | 13 | 13 | 10 | 9 | 0.5 | 19.3 | 62.1 | 70.0 | 993.8 | 0.0 |
| | 20:15 | 12 | 12 | 16 | 14 | 13 | 0.5 | 20.5 | 61.6 | 69.0 | 993.9 | 0.0 |
| | 20:30 | 10 | 11 | 12 | 10 | 10 | 0.6 | 37.7 | 61.4 | 72.0 | 993.9 | 0.0 |
| | 20:45 | 8 | 8 | 9 | 8 | 8 | 0.6 | 31.5 | 60.9 | 73.0 | 993.9 | 0.0 |
| | 21:00 | 6 | 7 | 7 | 6 | 6 | 0.4 | 28.0 | 60.3 | 72.0 | 993.9 | 0.0 |
| | 21:15 | 6 | 6 | 6 | 5 | 5 | 0.4 | 8.0 | 59.8 | 73.0 | 993.9 | 0.0 |
| | 21:30 | 5 | 5 | 6 | 4 | 4 | 0.3 | 3.0 | 59.3 | 73.0 | 993.9 | 0.0 |
| | 21:45 | 5 | 5 | 5 | 4 | 4 | 0.4 | 26.1 | 59.0 | 71.0 | 993.9 | 0.0 |
| | 22:00 | 4 | 5 | 5 | 4 | 4 | 0.4 | 50.9 | 58.6 | 74.0 | 994.0 | 0.0 |
| | 22:15 | 4 | 4 | 5 | 4 | 4 | 0.4 | 19.7 | 58.0 | 75.0 | 994.0 | 0.0 |
| | 22:30 | 4 | 4 | 5 | 5 | 4 | 0.5 | 32.9 | 58.0 | 75.0 | 994.0 | 0.0 |
| | 22:45 | 4 | 4 | 4 | 4 | 4 | 0.5 | 40.5 | 57.7 | 77.0 | 994.0 | 0.0 |
| | 23:00 | 4 | 4 | 4 | 4 | 4 | 0.5 | 34.8 | 57.4 | 78.0 | 993.9 | 0.0 |
| | 23:15 | 3 | 4 | 4 | 4 | 4 | 0.5 | 17.3 | 57.0 | 77.0 | 993.8 | 0.0 |
| | 23:30 | 4 | 4 | 4 | 4 | 4 | 0.5 | 28.2 | 56.7 | 77.0 | 993.7 | 0.0 |
| | 23:45 | 3 | 4 | 4 | 4 | 4 | 0.4 | 20.8 | 56.6 | 77.0 | 993.7 | 0.0 |
| | 00:00 | 3 | 4 | 4 | 3 | 3 | 0.4 | 44.5 | 56.5 | 77.0 | 993.7 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/19/2023 | 00:15 | 3 | 4 | 4 | 3 | 3 | 0.4 | 53.6 | 56.4 | 78.0 | 993.7 | 0.0 |
| | 00:30 | 3 | 4 | 4 | 3 | 3 | 0.3 | 79.3 | 56.0 | 78.0 | 993.7 | 0.0 |
| | 00:45 | 3 | 3 | 3 | 3 | 3 | 0.4 | 47.5 | 55.8 | 77.0 | 993.7 | 0.0 |
| | 01:00 | 3 | 3 | 3 | 3 | 3 | 0.5 | 43.7 | 55.8 | 78.0 | 993.6 | 0.0 |
| | 01:15 | 3 | 3 | 3 | 3 | 3 | 0.6 | 40.0 | 55.7 | 78.0 | 993.6 | 0.0 |
| | 01:30 | 3 | 3 | 3 | 3 | 3 | 0.5 | 42.2 | 55.5 | 78.0 | 993.6 | 0.0 |
| | 01:45 | 3 | 3 | 3 | 3 | 3 | 0.5 | 32.9 | 55.4 | 78.0 | 993.6 | 0.0 |
| | 02:00 | 3 | 3 | 3 | 3 | 3 | 0.6 | 24.9 | 55.3 | 79.0 | 993.6 | 0.0 |
| | 02:15 | 3 | 3 | 3 | 3 | 3 | 0.5 | 34.2 | 55.2 | 79.0 | 993.6 | 0.0 |
| | 02:30 | 3 | 3 | 3 | 3 | 3 | 0.5 | 38.5 | 55.1 | 79.0 | 993.6 | 0.0 |
| | 02:45 | 3 | 3 | 3 | 3 | 3 | 0.5 | 37.6 | 55.1 | 79.0 | 993.5 | 0.0 |
| | 03:00 | 3 | 3 | 3 | 3 | 3 | 0.5 | 31.6 | 54.8 | 81.0 | 993.5 | 0.0 |
| | 03:15 | 3 | 3 | 3 | 3 | 3 | 0.4 | 4.5 | 54.6 | 81.0 | 993.5 | 0.0 |
| | 03:30 | 3 | 3 | 3 | 3 | 3 | 0.5 | 333.3 | 54.6 | 81.0 | 993.6 | 0.0 |
| | 03:45 | 3 | 3 | 3 | 3 | 3 | 0.5 | 351.4 | 54.8 | 81.0 | 993.7 | 0.0 |
| | 04:00 | 3 | 3 | 3 | 3 | 3 | 0.5 | 341.1 | 54.7 | 82.0 | 993.6 | 0.0 |
| | 04:15 | 3 | 3 | 3 | 3 | 3 | 0.5 | 341.2 | 54.9 | 81.0 | 993.6 | 0.0 |
| | 04:30 | 3 | 3 | 3 | 3 | 3 | 0.6 | 315.9 | 55.7 | 79.0 | 993.6 | 0.0 |
| | 04:45 | 3 | 3 | 4 | 3 | 4 | 0.5 | 343.1 | 55.9 | 80.0 | 993.7 | 0.0 |
| | 05:00 | 3 | 3 | 3 | 3 | 3 | 0.5 | 356.9 | 55.5 | 79.0 | 993.9 | 0.0 |
| | 05:15 | 3 | 3 | 4 | 3 | 3 | 0.5 | 332.7 | 55.6 | 79.0 | 994.1 | 0.0 |
| | 05:30 | 3 | 3 | 4 | 3 | 3 | 0.5 | 343.1 | 55.8 | 79.0 | 994.2 | 0.0 |
| | 05:45 | 3 | 3 | 4 | 3 | 3 | 0.6 | 343.0 | 56.0 | 78.0 | 994.3 | 0.0 |
| | 06:00 | 3 | 4 | 4 | 4 | 3 | 0.4 | 19.0 | 56.1 | 79.0 | 994.5 | 0.0 |
| | 06:15 | 3 | 4 | 4 | 4 | 3 | 0.5 | 66.6 | 55.8 | 78.0 | 994.5 | 0.0 |
| | 06:30 | 3 | 4 | 4 | 4 | 3 | 0.6 | 341.7 | 55.7 | 78.0 | 994.6 | 0.0 |
| | 06:45 | 3 | 4 | 4 | 4 | 3 | 0.6 | 314.5 | 55.8 | 77.0 | 994.6 | 0.0 |
| | 07:00 | 3 | 4 | 4 | 3 | 4 | 0.8 | 300.6 | 56.3 | 76.0 | 994.6 | 0.0 |
| | 07:15 | 3 | 4 | 4 | 3 | 3 | 0.7 | 337.1 | 57.0 | 75.0 | 994.6 | 0.0 |
| | 07:30 | 4 | 4 | 4 | 3 | 4 | 0.6 | 334.6 | 58.2 | 72.0 | 994.6 | 0.0 |
| | 07:45 | 2 | 4 | 4 | 4 | 4 | 1.0 | 30.4 | 60.0 | 69.0 | 994.7 | 0.0 |
| | 08:00 | 4 | 3 | 3 | 4 | 4 | 1.0 | 277.8 | 61.5 | 66.0 | 994.7 | 0.0 |
| | 08:15 | 6 | 5 | 4 | 2 | 2 | 1.0 | 261.3 | 63.0 | 64.0 | 994.7 | 0.0 |
| | 08:30 | 6 | 5 | 4 | 4 | 4 | 1.1 | 252.5 | 63.8 | 63.0 | 994.7 | 0.0 |
| | 08:45 | 6 | 5 | 4 | 5 | 4 | 1.1 | 221.6 | 66.0 | 59.0 | 994.6 | 0.0 |
| | 09:00 | 7 | 5 | 5 | 5 | 5 | 1.5 | 241.7 | 67.7 | 56.0 | 994.5 | 0.0 |
| | 09:15 | 7 | 4 | 4 | 6 | 5 | 1.1 | 232.4 | 68.6 | 55.0 | 994.4 | 0.0 |
| | 09:30 | 8 | 5 | 5 | 5 | 5 | 1.5 | 226.0 | 68.9 | 53.0 | 994.6 | 0.0 |
| | 09:45 | 6 | 5 | 6 | 5 | 5 | 1.5 | 234.5 | 70.3 | 50.0 | 994.6 | 0.0 |
| | 10:00 | 7 | 6 | 7 | 6 | 8 | 1.5 | 232.6 | 72.0 | 49.0 | 994.6 | 0.0 |
| | 10:15 | 7 | 6 | 7 | 10 | 9 | 1.3 | 213.1 | 72.9 | 47.0 | 994.7 | 0.0 |
| | 10:30 | 6 | 6 | 6 | 6 | 6 | 2.0 | 241.8 | 73.2 | 47.0 | 994.6 | 0.0 |
| | 10:45 | 7 | 7 | 7 | 7 | 7 | 2.2 | 238.1 | 74.6 | 46.0 | 994.4 | 0.0 |
| | 11:00 | 8 | 8 | 9 | 8 | 8 | 1.9 | 215.9 | 76.2 | 45.0 | 994.1 | 0.0 |
| | 11:15 | 11 | 10 | 10 | 12 | 13 | 1.7 | 221.9 | 76.8 | 43.0 | 994.0 | 0.0 |
| | 11:30 | 9 | 10 | 10 | 10 | 10 | 1.9 | 234.9 | 77.2 | 44.0 | 993.8 | 0.0 |
| | 11:45 | 9 | 11 | 14 | 14 | 14 | 2.2 | 226.4 | 77.4 | 43.0 | 993.8 | 0.0 |
| | 12:00 | 11 | 11 | 11 | 12 | 12 | 2.1 | 197.5 | 78.2 | 43.0 | 993.6 | 0.0 |
| | 12:15 | 10 | 10 | 12 | 17 | 18 | 1.9 | 189.1 | 79.0 | 43.0 | 993.4 | 0.0 |
| | 12:30 | 9 | 9 | 11 | 10 | 10 | 1.6 | 254.0 | 80.0 | 41.0 | 993.3 | 0.0 |
| | 12:45 | 8 | 9 | 10 | 10 | 10 | 1.8 | 201.2 | 79.8 | 41.0 | 993.3 | 0.0 |
| | 13:00 | 10 | 10 | 10 | 14 | 15 | 1.8 | 201.3 | 80.6 | 41.0 | 993.1 | 0.0 |
| | 13:15 | 9 | 10 | 11 | 16 | 18 | 2.1 | 190.6 | 81.4 | 39.0 | 992.9 | 0.0 |
| | 13:30 | 8 | 11 | 11 | 12 | 12 | 1.6 | 207.6 | 81.9 | 38.0 | 992.7 | 0.0 |
| | 13:45 | 8 | 10 | 11 | 11 | 11 | 2.1 | 227.9 | 81.7 | 38.0 | 992.5 | 0.0 |
| | 14:00 | 10 | 11 | 11 | 20 | 25 | 2.1 | 221.8 | 81.9 | 38.0 | 992.3 | 0.0 |
| | 14:15 | 10 | 11 | 12 | 16 | 14 | 2.2 | 220.8 | 82.2 | 37.0 | 992.1 | 0.0 |
| | 14:30 | 9 | 12 | 11 | 12 | 12 | 2.0 | 240.8 | 82.6 | 36.0 | 992.0 | 0.0 |
| | 14:45 | 9 | 12 | 11 | 12 | 12 | 2.4 | 237.8 | 82.7 | 36.0 | 992.0 | 0.0 |
| | 15:00 | 9 | 12 | 12 | 13 | 14 | 2.0 | 237.0 | 82.9 | 36.0 | 992.0 | 0.0 |
| | 15:15 | 9 | 11 | 11 | 13 | 13 | 1.8 | 254.3 | 83.2 | 35.0 | 991.9 | 0.0 |
| | 15:30 | 8 | 11 | 10 | 12 | 12 | 2.0 | 227.2 | 83.3 | 36.0 | 991.9 | 0.0 |
| | 15:45 | 8 | 11 | 25 | 11 | 12 | 1.8 | 234.5 | 83.6 | 37.0 | 991.8 | 0.0 |
| | 16:00 | 8 | 11 | 10 | 12 | 12 | 1.9 | 210.7 | 83.1 | 38.0 | 991.5 | 0.0 |
| | 16:15 | 8 | 10 | 10 | 11 | 11 | 1.4 | 243.5 | 83.2 | 36.0 | 991.4 | 0.0 |
| | 16:30 | 8 | 11 | 10 | 11 | 11 | 1.9 | 224.7 | 82.9 | 39.0 | 991.2 | 0.0 |
| | 16:45 | 8 | 11 | 11 | 12 | 12 | 1.5 | 221.6 | 82.5 | 38.0 | 991.2 | 0.0 |
| | 17:00 | 8 | 10 | 9 | 11 | 11 | 1.6 | 258.2 | 82.4 | 39.0 | 991.1 | 0.0 |
| | 17:15 | 8 | 10 | 9 | 11 | 11 | 1.8 | 166.6 | 81.3 | 40.0 | 991.0 | 0.0 |
| | 17:30 | 8 | 10 | 9 | 11 | 11 | 1.6 | 190.5 | 80.9 | 41.0 | 991.1 | 0.0 |
| | 17:45 | 8 | 10 | 9 | 11 | 11 | 1.4 | 270.8 | 80.4 | 41.0 | 991.2 | 0.0 |
| | 18:00 | 8 | 10 | 9 | 11 | 11 | 1.4 | 180.9 | 79.3 | 43.0 | 991.4 | 0.0 |
| | 18:15 | 8 | 10 | 10 | 11 | 11 | 1.3 | 134.7 | 78.0 | 45.0 | 991.5 | 0.0 |
| | 18:30 | 8 | 10 | 10 | 11 | 11 | 1.4 | 100.5 | 77.0 | 46.0 | 991.6 | 0.0 |
| | 18:45 | 9 | 10 | 11 | 11 | 11 | 0.8 | 308.2 | 76.1 | 47.0 | 991.7 | 0.0 |
| | 19:00 | 9 | 10 | 10 | 11 | 11 | 0.8 | 27.0 | 75.0 | 49.0 | 991.8 | 0.0 |
| | 19:15 | 9 | 10 | 11 | 11 | 11 | 0.8 | 285.5 | 74.1 | 50.0 | 991.8 | 0.0 |
| | 19:30 | 9 | 10 | 10 | 11 | 11 | 0.8 | 287.9 | 73.3 | 51.0 | 991.8 | 0.0 |
| | 19:45 | 9 | 10 | 11 | 11 | 11 | 0.9 | 51.8 | 72.5 | 53.0 | 992.1 | 0.0 |
| | 20:00 | 9 | 10 | 11 | 11 | 11 | 0.8 | 88.4 | 71.7 | 54.0 | 992.3 | 0.0 |
| | 20:15 | 9 | 11 | 11 | 11 | 11 | 0.7 | 299.2 | 71.2 | 56.0 | 992.5 | 0.0 |
| | 20:30 | 9 | 10 | 11 | 11 | 11 | 0.7 | 312.0 | 70.6 | 57.0 | 992.7 | 0.0 |
| | 20:45 | 9 | 10 | 10 | 10 | 10 | 0.7 | 220.3 | 69.8 | 59.0 | 992.9 | 0.0 |
| | 21:00 | 9 | 10 | 10 | 10 | 10 | 0.6 | 27.9 | 68.8 | 61.0 | 992.8 | 0.0 |
| | 21:15 | 9 | 10 | 11 | 10 | 10 | 0.7 | 308.5 | 68.3 | 61.0 | 992.9 | 0.0 |
| | 21:30 | 9 | 10 | 10 | 10 | 10 | 0.7 | 293.5 | 68.0 | 63.0 | 992.9 | 0.0 |
| | 21:45 | 9 | 10 | 10 | 9 | 10 | 0.8 | 269.3 | 67.5 | 64.0 | 993.1 | 0.0 |
| | 22:00 | 9 | 10 | 9 | 9 | 9 | 0.7 | 292.1 | 66.9 | 65.0 | 993.2 | 0.0 |
| | 22:15 | 8 | 9 | 10 | 9 | 10 | 0.8 | 321.0 | 66.5 | 66.0 | 993.2 | 0.0 |
| | 22:30 | 9 | 9 | 10 | 9 | 9 | 0.7 | 344.9 | 65.9 | 67.0 | 993.2 | 0.0 |
| | 22:45 | 9 | 9 | 9 | 9 | 9 | 0.6 | 342.0 | 65.6 | 68.0 | 993.1 | 0.0 |
| | 23:00 | 8 | 9 | 9 | 9 | 9 | 0.7 | 10.6 | 65.3 | 67.0 | 993.1 | 0.0 |
| | 23:15 | 8 | 9 | 9 | 9 | 9 | 0.7 | 60.5 | 65.3 | 67.0 | 993.1 | 0.0 |
| | 23:30 | 8 | 9 | 10 | 9 | 9 | 0.7 | 304.5 | 65.2 | 68.0 | 993.1 | 0.0 |
| | 23:45 | 8 | 9 | 9 | 9 | 9 | 0.7 | 339.6 | 64.9 | 69.0 | 993.1 | 0.0 |
| | 00:00 | 8 | 9 | 9 | 9 | 9 | 0.7 | 342.9 | 64.7 | 69.0 | 992.9 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/20/2023 | 00:15 | 8 | 8 | 9 | 8 | 9 | 0.7 | 345.4 | 64.4 | 70.0 | 992.8 | 0.0 |
| | 00:30 | 8 | 8 | 9 | 9 | 8 | 0.9 | 285.8 | 64.0 | 71.0 | 992.8 | 0.0 |
| | 00:45 | 8 | 8 | 9 | 8 | 8 | 0.9 | 255.3 | 63.6 | 72.0 | 992.9 | 0.0 |
| | 01:00 | 8 | 9 | 10 | 8 | 8 | 1.0 | 272.6 | 63.5 | 72.0 | 992.9 | 0.0 |
| | 01:15 | 8 | 8 | 9 | 9 | 9 | 0.7 | 275.3 | 63.4 | 73.0 | 992.9 | 0.0 |
| | 01:30 | 7 | 8 | 9 | 9 | 8 | 1.1 | 249.4 | 63.5 | 72.0 | 992.9 | 0.0 |
| | 01:45 | 7 | 8 | 9 | 8 | 8 | 0.7 | 328.5 | 63.4 | 72.0 | 993.0 | 0.0 |
| | 02:00 | 7 | 8 | 8 | 8 | 8 | 0.9 | 288.0 | 63.3 | 72.0 | 993.1 | 0.0 |
| | 02:15 | 7 | 8 | 8 | 8 | 7 | 0.9 | 293.9 | 63.1 | 73.0 | 993.2 | 0.0 |
| | 02:30 | 7 | 8 | 8 | 8 | 8 | 0.6 | 337.4 | 62.6 | 74.0 | 993.3 | 0.0 |
| | 02:45 | 7 | 8 | 8 | 8 | 7 | 0.5 | 357.1 | 62.1 | 75.0 | 993.3 | 0.0 |
| | 03:00 | 7 | 7 | 8 | 7 | 7 | 0.5 | 1.2 | 61.7 | 76.0 | 993.3 | 0.0 |
| | 03:15 | 7 | 7 | 8 | 7 | 7 | 0.5 | 6.9 | 61.2 | 77.0 | 993.4 | 0.0 |
| | 03:30 | 7 | 7 | 8 | 8 | 8 | 0.5 | 25.9 | 60.6 | 78.0 | 993.5 | 0.0 |
| | 03:45 | 7 | 7 | 8 | 8 | 8 | 0.5 | 14.3 | 60.3 | 79.0 | 993.5 | 0.0 |
| | 04:00 | 7 | 7 | 8 | 8 | 8 | 0.6 | 346.7 | 60.4 | 79.0 | 993.6 | 0.0 |
| | 04:15 | 7 | 7 | 8 | 8 | 7 | 0.6 | 14.8 | 60.2 | 79.0 | 993.5 | 0.0 |
| | 04:30 | 7 | 7 | 8 | 8 | 8 | 0.6 | 21.3 | 59.9 | 81.0 | 993.4 | 0.0 |
| | 04:45 | 7 | 7 | 8 | 7 | 7 | 0.6 | 13.5 | 59.6 | 81.0 | 993.5 | 0.0 |
| | 05:00 | 6 | 7 | 8 | 8 | 8 | 0.6 | 26.1 | 59.6 | 80.0 | 993.5 | 0.0 |
| | 05:15 | 6 | 7 | 8 | 8 | 7 | 0.6 | 39.2 | 59.6 | 80.0 | 993.7 | 0.0 |
| | 05:30 | 6 | 6 | 8 | 7 | 7 | 0.6 | 7.3 | 59.9 | 79.0 | 993.8 | 0.0 |
| | 05:45 | 6 | 6 | 7 | 7 | 7 | 0.6 | 33.8 | 60.0 | 79.0 | 994.0 | 0.0 |
| | 06:00 | 6 | 6 | 7 | 6 | 6 | 0.6 | 5.6 | 60.1 | 79.0 | 994.1 | 0.0 |
| | 06:15 | 6 | 6 | 7 | 6 | 6 | 0.5 | 24.6 | 59.9 | 79.0 | 994.3 | 0.0 |
| | 06:30 | 6 | 6 | 7 | 6 | 7 | 0.6 | 33.9 | 59.9 | 80.0 | 994.4 | 0.0 |
| | 06:45 | 6 | 6 | 7 | 7 | 6 | 0.7 | 51.6 | 59.8 | 80.0 | 994.6 | 0.0 |
| | 07:00 | 6 | 6 | 7 | 6 | 6 | 0.6 | 332.2 | 60.0 | 80.0 | 994.8 | 0.0 |
| | 07:15 | 5 | 6 | 7 | 6 | 6 | 0.7 | 39.3 | 60.2 | 79.0 | 995.0 | 0.0 |
| | 07:30 | 5 | 6 | 7 | 6 | 6 | 0.7 | 78.3 | 61.1 | 77.0 | 995.0 | 0.0 |
| | 07:45 | 6 | 6 | 6 | 6 | 6 | 0.9 | 77.5 | 61.9 | 76.0 | 995.0 | 0.0 |
| | 08:00 | 6 | 6 | 6 | 6 | 6 | 1.1 | 84.3 | 62.1 | 75.0 | 995.1 | 0.0 |
| | 08:15 | 6 | 6 | 6 | 6 | 6 | 1.1 | 106.0 | 63.4 | 74.0 | 995.1 | 0.0 |
| | 08:30 | 6 | 6 | 6 | 6 | 6 | 1.1 | 218.0 | 65.2 | 70.0 | 995.5 | 0.0 |
| | 08:45 | 2 | 4 | 6 | 6 | 6 | 0.9 | 186.1 | 67.3 | 67.0 | 995.5 | 0.0 |
| | 09:00 | 8 | 6 | 4 | 4 | 4 | 0.9 | 187.6 | 69.1 | 64.0 | 995.3 | 0.0 |
| | 09:15 | 6 | 7 | 6 | 7 | 6 | 1.1 | 159.5 | 70.2 | 63.0 | 995.4 | 0.0 |
| | 09:30 | 7 | 7 | 7 | 7 | 6 | 1.2 | 109.9 | 70.5 | 61.0 | 995.3 | 0.0 |
| | 09:45 | 7 | 7 | 7 | 7 | 7 | 1.2 | 113.3 | 72.1 | 58.0 | 995.2 | 0.0 |
| | 10:00 | 7 | 7 | 7 | 7 | 7 | 1.2 | 115.7 | 72.9 | 56.0 | 995.1 | 0.0 |
| | 10:15 | 7 | 7 | 7 | 7 | 7 | 1.0 | 187.1 | 74.4 | 53.0 | 995.0 | 0.0 |
| | 10:30 | 7 | 7 | 7 | 7 | 7 | 1.3 | 214.0 | 75.7 | 51.0 | 995.0 | 0.0 |
| | 10:45 | 6 | 7 | 7 | 7 | 7 | 1.3 | 103.3 | 77.6 | 46.0 | 994.9 | 0.0 |
| | 11:00 | 6 | 7 | 7 | 7 | 7 | 1.3 | 157.9 | 78.4 | 44.0 | 994.9 | 0.0 |
| | 11:15 | 9 | 8 | 8 | 10 | 9 | 1.4 | 152.2 | 80.0 | 42.0 | 994.8 | 0.0 |
| | 11:30 | 6 | 8 | 8 | 8 | 8 | 1.5 | 225.7 | 80.8 | 40.0 | 994.7 | 0.0 |
| | 11:45 | 7 | 8 | 7 | 8 | 9 | 1.8 | 218.2 | 81.0 | 41.0 | 994.7 | 0.0 |
| | 12:00 | 9 | 8 | 7 | 9 | 8 | 1.3 | 195.8 | 81.5 | 38.0 | 994.6 | 0.0 |
| | 12:15 | 7 | 9 | 9 | 10 | 9 | 1.4 | 128.5 | 81.2 | 40.0 | 994.7 | 0.0 |
| | 12:30 | 8 | 10 | 10 | 10 | 10 | 1.2 | 219.4 | 82.6 | 39.0 | 994.6 | 0.0 |
| | 12:45 | 13 | 11 | 10 | 11 | 11 | 1.3 | 229.7 | 81.9 | 39.0 | 994.6 | 0.0 |
| | 13:00 | 8 | 11 | 10 | 12 | 12 | 1.1 | 93.9 | 83.3 | 38.0 | 994.4 | 0.0 |
| | 13:15 | 8 | 11 | 11 | 11 | 11 | 1.5 | 79.3 | 82.6 | 38.0 | 994.4 | 0.0 |
| | 13:30 | 9 | 12 | 12 | 12 | 12 | 1.3 | 39.5 | 82.9 | 38.0 | 994.3 | 0.0 |
| | 13:45 | 9 | 14 | 12 | 12 | 12 | 1.4 | 121.4 | 82.9 | 38.0 | 994.2 | 0.0 |
| | 14:00 | 9 | 11 | 11 | 12 | 12 | 1.1 | 176.1 | 82.3 | 39.0 | 994.1 | 0.0 |
| | 14:15 | 8 | 11 | 10 | 11 | 11 | 1.1 | 240.4 | 81.6 | 40.0 | 994.1 | 0.0 |
| | 14:30 | 9 | 11 | 10 | 11 | 11 | 1.1 | 237.9 | 81.0 | 41.0 | 994.0 | 0.0 |
| | 14:45 | 8 | 11 | 10 | 11 | 10 | 1.0 | 240.8 | 80.6 | 42.0 | 993.9 | 0.0 |
| | 15:00 | 9 | 11 | 12 | 11 | 10 | 0.7 | 213.4 | 80.5 | 43.0 | 993.9 | 0.0 |
| | 15:15 | 8 | 11 | 11 | 11 | 10 | 0.9 | 245.4 | 79.9 | 43.0 | 993.8 | 0.0 |
| | 15:30 | 9 | 11 | 10 | 10 | 10 | 0.4 | 240.5 | 80.0 | 43.0 | 993.6 | 0.0 |
| | 15:45 | 9 | 11 | 10 | 10 | 10 | 0.6 | 194.6 | 79.6 | 46.0 | 993.5 | 0.0 |
| | 16:00 | 8 | 11 | 10 | 11 | 10 | 0.4 | 216.6 | 78.7 | 46.0 | 993.5 | 0.0 |
| | 16:15 | 8 | 11 | 10 | 11 | 10 | 0.4 | 245.0 | 78.0 | 48.0 | 993.4 | 0.0 |
| | 16:30 | 9 | 11 | 11 | 11 | 11 | 1.4 | 238.0 | 77.4 | 48.0 | 993.5 | 0.0 |
| | 16:45 | 9 | 11 | 11 | 11 | 11 | 0.9 | 255.1 | 77.2 | 48.0 | 993.6 | 0.0 |
| | 17:00 | 9 | 10 | 10 | 11 | 11 | 1.1 | 248.6 | 76.9 | 49.0 | 993.6 | 0.0 |
| | 17:15 | 8 | 9 | 10 | 10 | 10 | 0.9 | 260.5 | 76.8 | 45.0 | 993.6 | 0.0 |
| | 17:30 | 6 | 8 | 9 | 10 | 9 | 0.5 | 270.9 | 77.0 | 45.0 | 993.6 | 0.0 |
| | 17:45 | 5 | 7 | 8 | 8 | 7 | 0.4 | 251.4 | 76.6 | 46.0 | 993.6 | 0.0 |
| | 18:00 | 6 | 7 | 7 | 7 | 7 | 0.3 | 249.3 | 75.9 | 51.0 | 993.6 | 0.0 |
| | 18:15 | 6 | 7 | 6 | 7 | 6 | 0.4 | 279.6 | 75.2 | 53.0 | 993.6 | 0.0 |
| | 18:30 | 6 | 8 | 6 | 7 | 6 | 0.4 | 260.8 | 74.4 | 52.0 | 993.6 | 0.0 |
| | 18:45 | 6 | 8 | 7 | 7 | 6 | 0.4 | 259.6 | 73.4 | 54.0 | 993.6 | 0.0 |
| | 19:00 | 6 | 8 | 7 | 7 | 7 | 0.3 | 238.7 | 72.7 | 56.0 | 993.7 | 0.0 |
| | 19:15 | 7 | 8 | 7 | 7 | 7 | 0.5 | 227.8 | 71.9 | 57.0 | 993.8 | 0.0 |
| | 19:30 | 6 | 7 | 7 | 7 | 7 | 0.5 | 240.4 | 71.3 | 62.0 | 994.0 | 0.0 |
| | 19:45 | 6 | 8 | 7 | 8 | 7 | 0.3 | 308.9 | 70.7 | 62.0 | 994.1 | 0.0 |
| | 20:00 | 6 | 7 | 8 | 8 | 7 | 0.8 | 249.5 | 70.0 | 67.0 | 994.2 | 0.0 |
| | 20:15 | 7 | 8 | 7 | 7 | 7 | 0.6 | 250.3 | 68.7 | 74.0 | 994.5 | 0.0 |
| | 20:30 | 7 | 8 | 8 | 8 | 7 | 0.3 | 259.9 | 67.1 | 78.0 | 994.6 | 0.0 |
| | 20:45 | 7 | 8 | 8 | 8 | 8 | 0.3 | 262.6 | 66.2 | 81.0 | 994.8 | 0.0 |
| | 21:00 | 7 | 9 | 8 | 8 | 8 | 0.3 | 4.3 | 65.9 | 85.0 | 994.9 | 0.0 |
| | 21:15 | 7 | 8 | 8 | 8 | 8 | 0.2 | 332.1 | 66.0 | 85.0 | 995.1 | 0.0 |
| | 21:30 | 12 | 10 | 8 | 11 | 11 | 0.4 | 290.1 | 65.9 | 89.0 | 995.3 | 0.0 |
| | 21:45 | 18 | 12 | 10 | 11 | 11 | 0.5 | 9.6 | 65.6 | 90.0 | 995.6 | 0.0 |
| | 22:00 | 13 | 13 | 12 | 14 | 15 | 0.6 | 224.3 | 65.5 | 88.0 | 996.0 | 0.0 |
| | 22:15 | 11 | 12 | 12 | 12 | 12 | 0.7 | 277.4 | 64.9 | 90.0 | 996.3 | 0.0 |
| | 22:30 | 8 | 9 | 10 | 10 | 10 | 0.7 | 278.9 | 64.3 | 90.0 | 996.3 | 0.0 |
| | 22:45 | 7 | 9 | 9 | 8 | 9 | 0.4 | 286.6 | 64.1 | 90.0 | 996.2 | 0.0 |
| | 23:00 | 6 | 8 | 8 | 7 | 8 | 0.4 | 281.4 | 63.8 | 92.0 | 996.1 | 0.0 |
| | 23:15 | 6 | 7 | 8 | 7 | 7 | 0.5 | 185.8 | 63.8 | 92.0 | 996.1 | 0.0 |
| | 23:30 | 6 | 8 | 7 | 7 | 7 | 0.4 | 158.8 | 63.7 | 92.0 | 996.2 | 0.0 |
| | 23:45 | 6 | 7 | 7 | 7 | 7 | 0.3 | 300.0 | 63.8 | 89.0 | 996.3 | 0.0 |
| | 00:00 | 6 | 8 | 7 | 7 | 7 | 0.6 | 51.4 | 63.6 | 93.0 | 996.3 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/21/2023 | 00:15 | 7 | 8 | 8 | 7 | 7 | 0.8 | 37.8 | 63.2 | 91.0 | 996.3 | 0.0 |
| | 00:30 | 7 | 8 | 8 | 7 | 8 | 0.9 | 25.5 | 62.8 | 92.0 | 996.4 | 0.0 |
| | 00:45 | 7 | 8 | 8 | 8 | 8 | 1.0 | 31.9 | 62.4 | 93.0 | 996.2 | 0.0 |
| | 01:00 | 7 | 9 | 8 | 8 | 9 | 0.7 | 3.9 | 62.2 | 92.0 | 996.1 | 0.0 |
| | 01:15 | 8 | 9 | 9 | 9 | 9 | 0.9 | 322.1 | 62.1 | 93.0 | 996.2 | 0.0 |
| | 01:30 | 8 | 9 | 9 | 9 | 9 | 1.1 | 47.2 | 62.1 | 93.0 | 996.1 | 0.0 |
| | 01:45 | 8 | 9 | 9 | 9 | 9 | 1.1 | 32.1 | 62.0 | 92.0 | 996.1 | 0.0 |
| | 02:00 | 8 | 8 | 9 | 8 | 9 | 1.0 | 30.2 | 61.9 | 94.0 | 996.0 | 0.0 |
| | 02:15 | 7 | 8 | 10 | 8 | 9 | 0.7 | 0.2 | 62.1 | 94.0 | 996.0 | 0.0 |
| | 02:30 | 8 | 8 | 9 | 8 | 9 | 0.5 | 32.6 | 62.2 | 95.0 | 996.1 | 0.0 |
| | 02:45 | 7 | 8 | 8 | 8 | 9 | 0.9 | 46.8 | 62.2 | 95.0 | 995.8 | 0.0 |
| | 03:00 | 7 | 8 | 9 | 8 | 9 | 1.3 | 54.7 | 62.1 | 95.0 | 995.8 | 0.0 |
| | 03:15 | 7 | 8 | 8 | 8 | 8 | 1.3 | 56.1 | 61.9 | 95.0 | 995.9 | 0.0 |
| | 03:30 | 7 | 8 | 9 | 8 | 9 | 1.4 | 55.0 | 61.9 | 95.0 | 995.7 | 0.0 |
| | 03:45 | 8 | 9 | 9 | 8 | 9 | 1.3 | 51.6 | 61.8 | 95.0 | 995.7 | 0.0 |
| | 04:00 | 8 | 8 | 9 | 8 | 9 | 1.4 | 57.7 | 61.8 | 96.0 | 995.7 | 0.0 |
| | 04:15 | 8 | 9 | 9 | 9 | 9 | 1.2 | 68.6 | 61.9 | 96.0 | 995.9 | 0.0 |
| | 04:30 | 8 | 9 | 9 | 10 | 10 | 1.2 | 61.1 | 62.2 | 96.0 | 996.1 | 0.0 |
| | 04:45 | 8 | 10 | 10 | 9 | 10 | 0.9 | 66.9 | 62.4 | 96.0 | 996.2 | 0.0 |
| | 05:00 | 9 | 10 | 11 | 10 | 11 | 1.2 | 69.0 | 62.4 | 97.0 | 996.3 | 0.0 |
| | 05:15 | 9 | 10 | 11 | 11 | 12 | 0.7 | 59.4 | 62.4 | 97.0 | 996.3 | 0.0 |
| | 05:30 | 9 | 10 | 12 | 10 | 11 | 0.6 | 85.7 | 62.6 | 98.0 | 996.3 | 0.0 |
| | 05:45 | 10 | 11 | 11 | 11 | 12 | 0.6 | 113.5 | 62.8 | 98.0 | 996.4 | 0.0 |
| | 06:00 | 10 | 11 | 13 | 11 | 12 | 0.6 | 74.0 | 63.2 | 98.0 | 996.5 | 0.0 |
| | 06:15 | 10 | 11 | 13 | 11 | 12 | 0.8 | 102.5 | 63.5 | 97.0 | 996.5 | 0.0 |
| | 06:30 | 10 | 11 | 13 | 11 | 12 | 0.8 | 99.7 | 63.7 | 97.0 | 996.6 | 0.0 |
| | 06:45 | 9 | 10 | 12 | 11 | 11 | 0.8 | 84.1 | 63.9 | 97.0 | 996.7 | 0.0 |
| | 07:00 | 9 | 10 | 12 | 10 | 11 | 0.7 | 84.9 | 63.9 | 97.0 | 996.9 | 0.0 |
| | 07:15 | 9 | 10 | 11 | 10 | 11 | 0.9 | 74.9 | 64.1 | 97.0 | 996.9 | 0.0 |
| | 07:30 | 9 | 11 | 11 | 10 | 11 | 0.9 | 77.9 | 64.3 | 97.0 | 997.0 | 0.0 |
| | 07:45 | 6 | 10 | 11 | 10 | 11 | 0.8 | 94.1 | 64.5 | 97.0 | 997.2 | 0.0 |
| | 08:00 | 8 | 7 | 11 | 10 | 11 | 0.7 | 273.3 | 64.7 | 96.0 | 997.5 | 0.0 |
| | 08:15 | 9 | 11 | 9 | 8 | 12 | 0.8 | 82.8 | 65.0 | 96.0 | 997.6 | 0.0 |
| | 08:30 | 9 | 12 | 13 | 9 | 3 | 0.8 | 152.1 | 65.3 | 96.0 | 997.7 | 0.0 |
| | 08:45 | 10 | 12 | 13 | 12 | 12 | 0.9 | 131.5 | 66.2 | 95.0 | 997.7 | 0.0 |
| | 09:00 | 12 | 11 | 13 | 11 | 12 | 1.1 | 179.7 | 67.2 | 93.0 | 997.8 | 0.0 |
| | 09:15 | 11 | 11 | 12 | 11 | 12 | 1.0 | 190.9 | 67.9 | 92.0 | 997.9 | 0.0 |
| | 09:30 | 4 | 10 | 11 | 11 | 11 | 1.2 | 242.2 | 68.2 | 91.0 | 997.9 | 0.0 |
| | 09:45 | 6 | 10 | 10 | 10 | 10 | 1.1 | 233.0 | 68.4 | 90.0 | 997.9 | 0.0 |
| | 10:00 | 9 | 10 | 10 | 9 | 10 | 1.2 | 235.5 | 69.1 | 88.0 | 997.9 | 0.0 |
| | 10:15 | 9 | 10 | 10 | 9 | 10 | 1.3 | 216.8 | 70.2 | 85.0 | 997.9 | 0.0 |
| | 10:30 | 10 | 10 | 10 | 9 | 10 | 1.3 | 243.6 | 70.0 | 86.0 | 997.9 | 0.0 |
| | 10:45 | 10 | 10 | 10 | 10 | 10 | 1.1 | 178.7 | 70.3 | 86.0 | 997.9 | 0.0 |
| | 11:00 | 10 | 10 | 10 | 9 | 10 | 1.1 | 125.9 | 69.9 | 86.0 | 997.9 | 0.0 |
| | 11:15 | 12 | 10 | 10 | 10 | 10 | 1.2 | 126.3 | 70.7 | 83.0 | 997.8 | 0.0 |
| | 11:30 | 10 | 10 | 10 | 10 | 10 | 1.2 | 171.8 | 71.6 | 81.0 | 997.8 | 0.0 |
| | 11:45 | 11 | 12 | 10 | 11 | 11 | 1.3 | 125.4 | 72.1 | 81.0 | 997.8 | 0.0 |
| | 12:00 | 10 | 11 | 11 | 10 | 11 | 1.5 | 114.5 | 72.4 | 80.0 | 997.7 | 0.0 |
| | 12:15 | 10 | 10 | 11 | 10 | 10 | 1.1 | 90.3 | 72.8 | 80.0 | 997.7 | 0.0 |
| | 12:30 | 11 | 11 | 12 | 12 | 11 | 1.4 | 143.5 | 72.8 | 79.0 | 997.6 | 0.0 |
| | 12:45 | 12 | 13 | 13 | 13 | 13 | 1.4 | 98.6 | 73.0 | 78.0 | 997.6 | 0.0 |
| | 13:00 | 12 | 12 | 12 | 12 | 12 | 1.4 | 78.5 | 73.5 | 75.0 | 997.4 | 0.0 |
| | 13:15 | 14 | 13 | 13 | 12 | 13 | 1.5 | 133.3 | 74.3 | 76.0 | 997.2 | 0.0 |
| | 13:30 | 11 | 13 | 13 | 13 | 13 | 1.5 | 209.6 | 74.9 | 74.0 | 997.2 | 0.0 |
| | 13:45 | 14 | 13 | 14 | 14 | 13 | 1.4 | 246.1 | 76.1 | 70.0 | 997.0 | 0.0 |
| | 14:00 | 13 | 13 | 14 | 13 | 13 | 1.3 | 223.9 | 75.8 | 72.0 | 996.8 | 0.0 |
| | 14:15 | 14 | 13 | 13 | 13 | 14 | 1.3 | 157.6 | 76.6 | 71.0 | 996.6 | 0.0 |
| | 14:30 | 13 | 12 | 13 | 13 | 13 | 1.4 | 214.9 | 77.4 | 68.0 | 996.4 | 0.0 |
| | 14:45 | 13 | 12 | 13 | 13 | 13 | 1.6 | 135.6 | 77.8 | 66.0 | 996.3 | 0.0 |
| | 15:00 | 12 | 12 | 12 | 12 | 12 | 1.4 | 216.2 | 78.5 | 66.0 | 996.3 | 0.0 |
| | 15:15 | 13 | 12 | 13 | 12 | 12 | 1.7 | 223.9 | 77.1 | 68.0 | 996.2 | 0.0 |
| | 15:30 | 13 | 13 | 13 | 13 | 13 | 1.1 | 231.4 | 77.0 | 69.0 | 996.1 | 0.0 |
| | 15:45 | 13 | 13 | 13 | 13 | 13 | 1.4 | 236.0 | 77.4 | 68.0 | 996.0 | 0.0 |
| | 16:00 | 13 | 12 | 13 | 13 | 13 | 1.3 | 237.9 | 77.0 | 67.0 | 996.0 | 0.0 |
| | 16:15 | 14 | 13 | 14 | 14 | 13 | 1.3 | 226.3 | 78.4 | 63.0 | 996.0 | 0.0 |
| | 16:30 | 16 | 13 | 14 | 14 | 14 | 1.3 | 240.1 | 78.6 | 66.0 | 996.0 | 0.0 |
| | 16:45 | 15 | 13 | 14 | 14 | 14 | 1.2 | 215.3 | 78.2 | 65.0 | 995.9 | 0.0 |
| | 17:00 | 18 | 13 | 14 | 15 | 14 | 1.0 | 168.7 | 78.4 | 65.0 | 995.9 | 0.0 |
| | 17:15 | 16 | 13 | 15 | 14 | 14 | 1.4 | 239.3 | 78.4 | 66.0 | 995.9 | 0.0 |
| | 17:30 | 15 | 13 | 14 | 14 | 14 | 1.0 | 245.6 | 78.0 | 66.0 | 995.8 | 0.0 |
| | 17:45 | 14 | 13 | 14 | 13 | 13 | 1.0 | 272.4 | 77.8 | 66.0 | 995.8 | 0.0 |
| | 18:00 | 12 | 13 | 14 | 13 | 13 | 1.1 | 148.4 | 77.2 | 69.0 | 995.7 | 0.0 |
| | 18:15 | 13 | 13 | 14 | 12 | 12 | 1.1 | 174.9 | 76.1 | 72.0 | 995.9 | 0.0 |
| | 18:30 | 11 | 12 | 13 | 11 | 12 | 0.8 | 74.3 | 75.3 | 73.0 | 995.8 | 0.0 |
| | 18:45 | 10 | 11 | 12 | 11 | 11 | 0.9 | 95.4 | 74.6 | 74.0 | 995.8 | 0.0 |
| | 19:00 | 12 | 11 | 11 | 10 | 11 | 0.6 | 69.0 | 73.8 | 77.0 | 995.7 | 0.0 |
| | 19:15 | 10 | 10 | 11 | 10 | 10 | 0.9 | 69.4 | 73.1 | 78.0 | 995.7 | 0.0 |
| | 19:30 | 10 | 10 | 11 | 10 | 11 | 1.0 | 90.4 | 72.8 | 79.0 | 995.9 | 0.0 |
| | 19:45 | 10 | 10 | 11 | 10 | 11 | 1.0 | 92.6 | 72.3 | 80.0 | 996.0 | 0.0 |
| | 20:00 | 10 | 10 | 11 | 10 | 10 | 1.2 | 95.3 | 71.9 | 81.0 | 996.0 | 0.0 |
| | 20:15 | 9 | 9 | 12 | 10 | 10 | 1.0 | 93.0 | 71.7 | 80.0 | 996.1 | 0.0 |
| | 20:30 | 10 | 10 | 11 | 10 | 10 | 1.1 | 73.3 | 71.6 | 80.0 | 996.0 | 0.0 |
| | 20:45 | 10 | 10 | 11 | 10 | 10 | 1.1 | 93.7 | 71.1 | 82.0 | 996.1 | 0.0 |
| | 21:00 | 11 | 10 | 11 | 9 | 10 | 1.0 | 72.2 | 70.6 | 82.0 | 996.1 | 0.0 |
| | 21:15 | 11 | 11 | 12 | 10 | 11 | 1.0 | 85.1 | 70.5 | 81.0 | 996.1 | 0.0 |
| | 21:30 | 11 | 11 | 13 | 11 | 11 | 1.2 | 101.0 | 70.8 | 80.0 | 996.2 | 0.0 |
| | 21:45 | 11 | 10 | 12 | 11 | 11 | 1.3 | 107.3 | 70.9 | 79.0 | 996.3 | 0.0 |
| | 22:00 | 11 | 10 | 12 | 10 | 11 | 1.3 | 101.1 | 70.9 | 79.0 | 996.3 | 0.0 |
| | 22:15 | 11 | 10 | 12 | 10 | 11 | 1.5 | 103.2 | 70.7 | 79.0 | 996.0 | 0.0 |
| | 22:30 | 10 | 10 | 12 | 11 | 11 | 1.2 | 108.1 | 70.2 | 80.0 | 996.0 | 0.0 |
| | 22:45 | 10 | 10 | 12 | 10 | 11 | 1.2 | 232.6 | 70.0 | 80.0 | 995.9 | 0.0 |
| | 23:00 | 11 | 11 | 12 | 10 | 11 | 1.1 | 240.6 | 69.8 | 81.0 | 995.9 | 0.0 |
| | 23:15 | 11 | 11 | 12 | 10 | 11 | 1.2 | 250.7 | 69.5 | 81.0 | 996.0 | 0.0 |
| | 23:30 | 11 | 11 | 12 | 10 | 11 | 1.0 | 280.0 | 69.0 | 83.0 | 996.2 | 0.0 |
| | 23:45 | 11 | 11 | 12 | 11 | 12 | 0.7 | 29.3 | 68.3 | 84.0 | 996.3 | 0.0 |
| | 00:00 | 11 | 11 | 12 | 11 | 12 | 0.8 | 157.7 | 67.8 | 85.0 | 996.2 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/22/2023 | 00:15 | 10 | 11 | 11 | 10 | 11 | 0.7 | 64.3 | 67.3 | 86.0 | 996.3 | 0.0 |
| | 00:30 | 10 | 11 | 11 | 11 | 11 | 0.8 | 73.2 | 66.9 | 87.0 | 996.3 | 0.0 |
| | 00:45 | 10 | 11 | 12 | 10 | 11 | 0.6 | 84.0 | 66.7 | 87.0 | 996.4 | 0.0 |
| | 01:00 | 9 | 11 | 11 | 10 | 11 | 0.7 | 66.5 | 66.6 | 87.0 | 996.3 | 0.0 |
| | 01:15 | 9 | 10 | 11 | 10 | 11 | 0.8 | 63.4 | 66.4 | 87.0 | 996.3 | 0.0 |
| | 01:30 | 9 | 10 | 11 | 9 | 10 | 0.6 | 43.0 | 66.2 | 87.0 | 996.3 | 0.0 |
| | 01:45 | 8 | 10 | 10 | 10 | 10 | 0.7 | 54.0 | 66.5 | 86.0 | 996.4 | 0.0 |
| | 02:00 | 8 | 10 | 10 | 9 | 10 | 0.6 | 24.6 | 66.5 | 87.0 | 996.4 | 0.0 |
| | 02:15 | 8 | 9 | 10 | 9 | 9 | 0.8 | 57.9 | 66.4 | 86.0 | 996.3 | 0.0 |
| | 02:30 | 8 | 9 | 10 | 9 | 10 | 0.9 | 76.0 | 66.6 | 86.0 | 996.4 | 0.0 |
| | 02:45 | 8 | 9 | 11 | 9 | 9 | 0.9 | 64.7 | 66.8 | 85.0 | 996.4 | 0.0 |
| | 03:00 | 8 | 9 | 11 | 9 | 9 | 1.0 | 62.9 | 67.2 | 84.0 | 996.4 | 0.0 |
| | 03:15 | 8 | 10 | 11 | 9 | 9 | 1.0 | 90.3 | 67.6 | 83.0 | 996.2 | 0.0 |
| | 03:30 | 9 | 10 | 10 | Offline | 10 | 0.7 | 13.4 | 67.7 | 83.0 | 996.2 | 0.0 |
| | 03:45 | 9 | 10 | 11 | Offline | 10 | 0.7 | 55.4 | 67.8 | 82.0 | 996.1 | 0.0 |
| | 04:00 | 9 | 10 | 11 | Offline | 11 | 0.9 | 76.0 | 67.8 | 82.0 | 996.1 | 0.0 |
| | 04:15 | 9 | 10 | 11 | Offline | 10 | 0.8 | 44.3 | 67.8 | 82.0 | 996.1 | 0.0 |
| | 04:30 | 9 | 10 | 11 | Offline | 11 | 0.9 | 280.1 | 67.8 | 82.0 | 996.2 | 0.0 |
| | 04:45 | 9 | 11 | 11 | Offline | 11 | 1.0 | 274.0 | 67.7 | 82.0 | 996.4 | 0.0 |
| | 05:00 | 9 | 11 | 11 | Offline | 11 | 1.0 | 238.2 | 67.8 | 81.0 | 996.5 | 0.0 |
| | 05:15 | 9 | 11 | 11 | Offline | 11 | 0.7 | 166.7 | 67.6 | 82.0 | 996.6 | 0.0 |
| | 05:30 | 9 | 11 | 11 | Offline | 11 | 0.7 | 64.8 | 67.4 | 82.0 | 996.6 | 0.0 |
| | 05:45 | 9 | 11 | 11 | Offline | 11 | 1.0 | 100.9 | 67.3 | 82.0 | 996.6 | 0.0 |
| | 06:00 | 9 | 11 | 11 | Offline | 11 | 0.8 | 71.5 | 67.3 | 81.0 | 996.4 | 0.0 |
| | 06:15 | 9 | 11 | 11 | Offline | 11 | 0.9 | 98.7 | 67.3 | 81.0 | 996.5 | 0.0 |
| | 06:30 | 10 | 11 | 11 | Offline | 10 | 0.9 | 66.9 | 67.2 | 81.0 | 996.7 | 0.0 |
| | 06:45 | 10 | 11 | 11 | Offline | 10 | 0.8 | 274.3 | 67.1 | 81.0 | 996.8 | 0.0 |
| | 07:00 | 9 | 11 | 11 | Offline | 11 | 0.9 | 64.1 | 66.9 | 82.0 | 996.8 | 0.0 |
| | 07:15 | 9 | 11 | 11 | Offline | 11 | 0.9 | 83.6 | 66.9 | 82.0 | 996.9 | 0.0 |
| | 07:30 | 9 | 11 | 11 | Offline | 10 | 1.0 | 86.4 | 67.3 | 81.0 | 996.9 | 0.0 |
| | 07:45 | 5 | 7 | 13 | Offline | 10 | 1.1 | 110.8 | 68.1 | 79.0 | 997.0 | 0.0 |
| | 08:00 | 10 | 11 | 7 | Offline | 11 | 1.0 | 241.5 | 68.5 | 79.0 | 997.2 | 0.0 |
| | 08:15 | 11 | 11 | 11 | 4 | 7 | 0.9 | 91.5 | 68.2 | 80.0 | 997.2 | 0.0 |
| | 08:30 | 11 | 11 | 11 | 10 | 11 | 0.9 | 113.6 | 68.5 | 80.0 | 997.1 | 0.0 |
| | 08:45 | 11 | 11 | 11 | 10 | 10 | 1.0 | 99.0 | 69.5 | 77.0 | 997.0 | 0.0 |
| | 09:00 | 11 | 11 | 11 | 11 | 11 | 1.2 | 103.9 | 70.7 | 76.0 | 997.0 | 0.0 |
| | 09:15 | 10 | 12 | 12 | 11 | 11 | 1.2 | 100.7 | 72.5 | 72.0 | 996.9 | 0.0 |
| | 09:30 | 10 | 11 | 11 | 11 | 11 | 1.0 | 106.6 | 74.9 | 66.0 | 997.0 | 0.0 |
| | 09:45 | 11 | 10 | 10 | 11 | 10 | 1.3 | 150.6 | 77.1 | 61.0 | 996.9 | 0.0 |
| | 10:00 | 10 | 10 | 10 | 11 | 10 | 1.2 | 222.0 | 78.4 | 60.0 | 997.0 | 0.0 |
| | 10:15 | 10 | 10 | 10 | 11 | 10 | 0.9 | 201.5 | 78.7 | 58.0 | 997.0 | 0.0 |
| | 10:30 | 10 | 10 | 11 | 11 | 10 | 1.0 | 84.8 | 81.7 | 51.0 | 996.8 | 0.0 |
| | 10:45 | 9 | 9 | 10 | 10 | 10 | 1.3 | 164.7 | 82.9 | 49.0 | 996.8 | 0.0 |
| | 11:00 | 9 | 9 | 9 | 10 | 9 | 1.6 | 154.4 | 82.9 | 50.0 | 996.7 | 0.0 |
| | 11:15 | 8 | 9 | 9 | 10 | 9 | 1.4 | 184.9 | 82.7 | 51.0 | 996.8 | 0.0 |
| | 11:30 | 9 | 9 | 9 | 10 | 9 | 1.5 | 117.6 | 81.6 | 50.0 | 996.6 | 0.0 |
| | 11:45 | 9 | 11 | 10 | 11 | 10 | 1.7 | 123.6 | 80.6 | 53.0 | 996.5 | 0.0 |
| | 12:00 | 9 | 9 | 9 | 10 | 9 | 1.7 | 140.6 | 81.4 | 49.0 | 996.3 | 0.0 |
| | 12:15 | 8 | 9 | 9 | 10 | 10 | 1.7 | 120.0 | 82.1 | 47.0 | 996.1 | 0.0 |
| | 12:30 | 8 | 9 | 9 | 10 | 10 | 1.6 | 104.0 | 81.8 | 46.0 | 996.1 | 0.0 |
| | 12:45 | 8 | 8 | 8 | 10 | 9 | 1.2 | 140.5 | 81.8 | 47.0 | 996.1 | 0.0 |
| | 13:00 | 9 | 8 | 8 | 9 | 8 | 1.8 | 222.1 | 82.3 | 48.0 | 995.9 | 0.0 |
| | 13:15 | 10 | 10 | 8 | 11 | 10 | 1.6 | 221.5 | 83.5 | 46.0 | 995.6 | 0.0 |
| | 13:30 | 8 | 8 | 9 | 10 | 10 | 1.6 | 230.0 | 83.7 | 43.0 | 995.6 | 0.0 |
| | 13:45 | 7 | 8 | 8 | 9 | 8 | 1.4 | 127.0 | 85.1 | 42.0 | 995.5 | 0.0 |
| | 14:00 | 7 | 8 | 8 | 9 | 9 | 1.7 | 245.2 | 85.4 | 41.0 | 995.4 | 0.0 |
| | 14:15 | 7 | 8 | 7 | 9 | 8 | 1.8 | 267.9 | 85.1 | 42.0 | 995.3 | 0.0 |
| | 14:30 | 7 | 8 | 7 | 9 | 9 | 1.4 | 226.7 | 84.6 | 41.0 | 995.3 | 0.0 |
| | 14:45 | 7 | 8 | 7 | 8 | 8 | 1.1 | 257.2 | 84.9 | 43.0 | 995.2 | 0.0 |
| | 15:00 | 9 | 8 | 7 | 9 | 8 | 1.0 | 145.8 | 84.3 | 42.0 | 995.0 | 0.0 |
| | 15:15 | 7 | 8 | 7 | 9 | 8 | 1.2 | 171.5 | 83.9 | 44.0 | 994.7 | 0.0 |
| | 15:30 | 7 | 8 | 7 | 9 | 8 | 1.1 | 209.9 | 83.7 | 45.0 | 994.6 | 0.0 |
| | 15:45 | 7 | 8 | 7 | 9 | 8 | 0.9 | 249.4 | 83.7 | 45.0 | 994.5 | 0.0 |
| | 16:00 | 7 | 8 | 8 | 9 | 8 | 1.3 | 235.5 | 84.0 | 44.0 | 994.3 | 0.0 |
| | 16:15 | 7 | 8 | 7 | 9 | 9 | 1.2 | 253.1 | 84.5 | 45.0 | 994.2 | 0.0 |
| | 16:30 | 8 | 8 | 8 | 10 | 9 | 1.1 | 181.7 | 84.0 | 46.0 | 994.2 | 0.0 |
| | 16:45 | 7 | 8 | 8 | 10 | 9 | 0.9 | 112.6 | 83.1 | 47.0 | 994.3 | 0.0 |
| | 17:00 | 8 | 8 | 8 | 10 | 9 | 1.0 | 216.5 | 82.7 | 48.0 | 994.3 | 0.0 |
| | 17:15 | 7 | 9 | 8 | 9 | 8 | 0.9 | 220.4 | 82.3 | 49.0 | 994.3 | 0.0 |
| | 17:30 | 8 | 8 | 8 | 10 | 10 | 1.0 | 247.9 | 81.7 | 49.0 | 994.4 | 0.0 |
| | 17:45 | 8 | 8 | 9 | 12 | 11 | 1.1 | 249.8 | 81.1 | 50.0 | 994.4 | 0.0 |
| | 18:00 | 8 | 8 | 9 | 10 | 10 | 1.7 | 255.5 | 79.1 | 60.0 | 994.5 | 0.0 |
| | 18:15 | 9 | 10 | 10 | 11 | 10 | 0.7 | 262.4 | 77.2 | 65.0 | 994.6 | 0.0 |
| | 18:30 | 10 | 10 | 10 | 11 | 10 | 0.7 | 261.1 | 75.9 | 68.0 | 994.6 | 0.0 |
| | 18:45 | 10 | 10 | 11 | 11 | 10 | 0.5 | 259.4 | 75.4 | 69.0 | 994.5 | 0.0 |
| | 19:00 | 11 | 11 | 11 | 11 | 10 | 0.7 | 270.0 | 74.4 | 72.0 | 994.4 | 0.0 |
| | 19:15 | 9 | 10 | 10 | 10 | 10 | 0.3 | 328.3 | 73.4 | 74.0 | 994.5 | 0.0 |
| | 19:30 | 10 | 10 | 10 | 11 | 10 | 0.3 | 218.6 | 72.4 | 77.0 | 994.5 | 0.0 |
| | 19:45 | 9 | 10 | 10 | 10 | 9 | 0.4 | 112.3 | 71.5 | 79.0 | 994.6 | 0.0 |
| | 20:00 | 9 | 9 | 10 | 9 | 9 | 0.4 | 84.4 | 70.6 | 81.0 | 994.6 | 0.0 |
| | 20:15 | 9 | 9 | 10 | 9 | 10 | 0.3 | 71.6 | 70.2 | 82.0 | 994.7 | 0.0 |
| | 20:30 | 9 | 9 | 9 | 10 | 9 | 0.3 | 74.4 | 69.8 | 83.0 | 994.7 | 0.0 |
| | 20:45 | 8 | 9 | 9 | 10 | 9 | 0.4 | 219.6 | 69.8 | 83.0 | 994.7 | 0.0 |
| | 21:00 | 8 | 9 | 9 | 9 | 9 | 0.3 | 246.7 | 69.8 | 84.0 | 994.8 | 0.0 |
| | 21:15 | 8 | 9 | 9 | 9 | 9 | 0.4 | 246.5 | 69.8 | 83.0 | 994.9 | 0.0 |
| | 21:30 | 9 | 9 | 9 | 9 | 9 | 0.3 | 134.8 | 69.9 | 84.0 | 994.9 | 0.0 |
| | 21:45 | 9 | 9 | 9 | 10 | 9 | 0.3 | 95.9 | 69.7 | 84.0 | 994.9 | 0.0 |
| | 22:00 | 9 | 9 | 9 | 10 | 9 | 0.3 | 213.4 | 69.7 | 85.0 | 994.8 | 0.0 |
| | 22:15 | 9 | 10 | 10 | 9 | 9 | 0.5 | 62.3 | 69.3 | 86.0 | 994.8 | 0.0 |
| | 22:30 | 9 | 9 | 10 | 10 | 9 | 0.4 | 34.9 | 69.1 | 84.0 | 994.8 | 0.0 |
| | 22:45 | 9 | 10 | 11 | 10 | 10 | 0.4 | 24.3 | 69.3 | 83.0 | 994.9 | 0.0 |
| | 23:00 | 9 | 11 | 10 | 11 | 10 | 0.4 | 31.8 | 69.1 | 84.0 | 994.9 | 0.0 |
| | 23:15 | 10 | 10 | 10 | 11 | 10 | 0.4 | 41.8 | 68.9 | 84.0 | 994.9 | 0.0 |
| | 23:30 | 10 | 10 | 10 | 11 | 10 | 0.3 | 76.5 | 68.9 | 82.0 | 994.9 | 0.0 |
| | 23:45 | 9 | 10 | 10 | 10 | 10 | 0.3 | 29.3 | 68.7 | 83.0 | 994.9 | 0.0 |
| | 00:00 | 9 | 10 | 10 | 10 | 10 | 0.3 | 32.6 | 68.3 | 83.0 | 994.9 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/23/2023 | 00:15 | 8 | 9 | 10 | 9 | 10 | 0.3 | 30.8 | 67.9 | 82.0 | 994.8 | 0.0 |
| | 00:30 | 7 | 9 | 10 | 10 | 9 | 0.3 | 55.1 | 67.8 | 82.0 | 994.8 | 0.0 |
| | 00:45 | 8 | 9 | 10 | 9 | 9 | 0.4 | 30.8 | 67.5 | 82.0 | 994.8 | 0.0 |
| | 01:00 | 7 | 9 | 10 | 9 | 10 | 0.3 | 92.4 | 67.1 | 81.0 | 994.8 | 0.0 |
| | 01:15 | 8 | 10 | 10 | 9 | 10 | 0.5 | 65.7 | 66.4 | 82.0 | 994.8 | 0.0 |
| | 01:30 | 8 | 10 | 10 | 9 | 10 | 0.6 | 70.8 | 66.0 | 82.0 | 994.9 | 0.0 |
| | 01:45 | 7 | 10 | 10 | 9 | 9 | 0.6 | 57.9 | 65.4 | 82.0 | 994.8 | 0.0 |
| | 02:00 | 8 | 10 | 10 | 10 | 10 | 0.4 | 48.5 | 64.8 | 84.0 | 994.7 | 0.0 |
| | 02:15 | 8 | 10 | 10 | 10 | 10 | 0.4 | 92.1 | 64.2 | 83.0 | 994.6 | 0.0 |
| | 02:30 | 8 | 10 | 10 | 10 | 10 | 0.6 | 62.8 | 63.9 | 82.0 | 994.6 | 0.0 |
| | 02:45 | 8 | 10 | 10 | 10 | 10 | 0.6 | 63.0 | 64.1 | 80.0 | 994.6 | 0.0 |
| | 03:00 | 9 | 11 | 10 | 10 | 10 | 0.9 | 61.3 | 64.3 | 78.0 | 994.6 | 0.0 |
| | 03:15 | 8 | 10 | 10 | 10 | 10 | 0.6 | 76.7 | 64.3 | 77.0 | 994.6 | 0.0 |
| | 03:30 | 8 | 10 | 10 | 10 | 10 | 0.4 | 57.3 | 64.0 | 79.0 | 994.6 | 0.0 |
| | 03:45 | 8 | 10 | 10 | 10 | 10 | 0.2 | 356.1 | 63.4 | 80.0 | 994.7 | 0.0 |
| | 04:00 | 8 | 10 | 10 | 9 | 9 | 0.5 | 36.5 | 62.5 | 84.0 | 994.7 | 0.0 |
| | 04:15 | 7 | 9 | 10 | 9 | 9 | 0.4 | 35.1 | 62.2 | 83.0 | 994.7 | 0.0 |
| | 04:30 | 7 | 9 | 10 | 9 | 9 | 0.3 | 2.4 | 62.0 | 84.0 | 994.6 | 0.0 |
| | 04:45 | 7 | 9 | 9 | 10 | 9 | 0.3 | 30.5 | 61.5 | 84.0 | 994.7 | 0.0 |
| | 05:00 | 7 | 9 | 9 | 8 | 9 | 0.3 | 24.5 | 61.2 | 86.0 | 994.7 | 0.0 |
| | 05:15 | 7 | 9 | 10 | 9 | 9 | 0.5 | 34.8 | 60.9 | 87.0 | 994.9 | 0.0 |
| | 05:30 | 7 | 9 | 9 | 9 | 9 | 0.4 | 25.6 | 60.8 | 88.0 | 995.0 | 0.0 |
| | 05:45 | 6 | 9 | 9 | 9 | 9 | 0.6 | 52.7 | 60.4 | 85.0 | 995.1 | 0.0 |
| | 06:00 | 7 | 9 | 9 | 9 | 9 | 0.6 | 57.6 | 60.7 | 85.0 | 995.1 | 0.0 |
| | 06:15 | 7 | 9 | 9 | 9 | 9 | 0.4 | 33.0 | 60.8 | 84.0 | 995.1 | 0.0 |
| | 06:30 | 7 | 9 | 9 | 8 | 9 | 0.6 | 42.4 | 60.6 | 86.0 | 995.0 | 0.0 |
| | 06:45 | 7 | 8 | 9 | 8 | 9 | 0.5 | 39.5 | 60.7 | 85.0 | 995.0 | 0.0 |
| | 07:00 | 6 | 8 | 9 | 8 | 8 | 0.5 | 43.3 | 60.8 | 85.0 | 995.0 | 0.0 |
| | 07:15 | 6 | 8 | 9 | 8 | 8 | 0.5 | 47.9 | 61.9 | 83.0 | 995.0 | 0.0 |
| | 07:30 | 6 | 8 | 8 | 8 | 8 | 0.8 | 57.6 | 62.7 | 80.0 | 995.0 | 0.0 |
| | 07:45 | 6 | 8 | 8 | 8 | 8 | 0.8 | 82.4 | 64.4 | 77.0 | 994.9 | 0.0 |
| | 08:00 | 6 | 9 | 8 | 8 | 8 | 0.9 | 95.8 | 64.9 | 76.0 | 994.9 | 0.0 |
| | 08:15 | 6 | 8 | 8 | 8 | 8 | 0.9 | 90.0 | 66.3 | 73.0 | 994.8 | 0.0 |
| | 08:30 | 8 | 10 | 8 | 8 | 8 | 1.1 | 102.0 | 67.7 | 71.0 | 994.9 | 0.0 |
| | 08:45 | 6 | 8 | 8 | 8 | 8 | 1.0 | 105.8 | 69.1 | 68.0 | 994.7 | 0.0 |
| | 09:00 | 6 | 8 | 8 | 8 | 7 | 1.1 | 98.1 | 70.9 | 67.0 | 994.5 | 0.0 |
| | 09:15 | 3 | 7 | 8 | 8 | 8 | 1.0 | 95.2 | 72.9 | 63.0 | 994.5 | 0.0 |
| | 09:30 | 4 | 6 | 1 | 5 | 5 | 0.8 | 128.8 | 75.4 | 57.0 | 994.5 | 0.0 |
| | 09:45 | 4 | 7 | Offline | 7 | 7 | 0.9 | 95.1 | 77.2 | 54.0 | 994.4 | 0.0 |
| | 10:00 | 4 | 7 | Offline | 8 | 7 | 0.8 | 130.4 | 78.5 | 50.0 | 994.4 | 0.0 |
| | 10:15 | 3 | 7 | Offline | 7 | 7 | 1.0 | 161.3 | 80.0 | 48.0 | 994.4 | 0.0 |
| | 10:30 | 3 | 7 | Offline | 7 | 7 | 0.9 | 174.5 | 81.2 | 45.0 | 994.3 | 0.0 |
| | 10:45 | 3 | 7 | Offline | 7 | 7 | 1.1 | 103.4 | 82.4 | 44.0 | 994.1 | 0.0 |
| | 11:00 | 2 | 7 | Offline | 7 | 7 | 1.3 | 82.2 | 83.3 | 40.0 | 994.1 | 0.0 |
| | 11:15 | 2 | 7 | Offline | 7 | 7 | 1.4 | 99.0 | 83.7 | 39.0 | 994.1 | 0.0 |
| | 11:30 | 2 | 7 | Offline | 7 | 7 | 1.2 | 170.8 | 84.5 | 39.0 | 993.9 | 0.0 |
| | 11:45 | 2 | 7 | Offline | 7 | 7 | 1.2 | 119.7 | 85.1 | 37.0 | 993.8 | 0.0 |
| | 12:00 | 3 | 7 | Offline | 7 | 7 | 1.3 | 176.8 | 85.0 | 38.0 | 993.8 | 0.0 |
| | 12:15 | 2 | 7 | Offline | 7 | 7 | 1.2 | 238.9 | 85.5 | 37.0 | 993.8 | 0.0 |
| | 12:30 | 2 | 7 | Offline | 8 | 7 | 1.2 | 94.8 | 85.6 | 37.0 | 993.5 | 0.0 |
| | 12:45 | 2 | 7 | Offline | 7 | 7 | 1.4 | 67.6 | 86.0 | 37.0 | 993.1 | 0.0 |
| | 13:00 | 2 | 7 | Offline | 7 | 7 | 1.3 | 232.9 | 86.1 | 37.0 | 992.8 | 0.0 |
| | 13:15 | 2 | 7 | Offline | 7 | 7 | 1.5 | 223.9 | 86.4 | 37.0 | 992.8 | 0.0 |
| | 13:30 | 2 | 7 | Offline | 7 | 7 | 1.4 | 252.1 | 86.7 | 37.0 | 992.6 | 0.0 |
| | 13:45 | 1 | 7 | Offline | 6 | 6 | 1.3 | 230.3 | 86.7 | 35.0 | 992.2 | 0.0 |
| | 14:00 | 3 | 7 | Offline | 8 | 9 | 1.4 | 243.6 | 87.2 | 35.0 | 991.9 | 0.0 |
| | 14:15 | 2 | 7 | Offline | 7 | 7 | 1.2 | 69.0 | 87.4 | 34.0 | 991.8 | 0.0 |
| | 14:30 | 2 | 7 | Offline | 7 | 7 | 1.2 | 272.3 | 87.5 | 34.0 | 991.6 | 0.0 |
| | 14:45 | 1 | 7 | Offline | 7 | 6 | 1.3 | 239.2 | 86.8 | 36.0 | 991.6 | 0.0 |
| | 15:00 | 2 | 7 | Offline | 7 | 7 | 1.5 | 203.4 | 86.5 | 37.0 | 991.7 | 0.0 |
| | 15:15 | 2 | 7 | Offline | 7 | 6 | 1.2 | 174.2 | 86.4 | 37.0 | 991.7 | 0.0 |
| | 15:30 | 2 | 7 | Offline | 6 | 6 | 1.0 | 250.0 | 87.5 | 35.0 | 991.7 | 0.0 |
| | 15:45 | 2 | 7 | Offline | 7 | 7 | 1.1 | 73.1 | 87.0 | 35.0 | 991.8 | 0.0 |
| | 16:00 | 1 | 6 | Offline | 7 | 6 | 0.9 | 159.7 | 87.3 | 34.0 | 991.8 | 0.0 |
| | 16:15 | 2 | 6 | Offline | 7 | 7 | 0.9 | 180.7 | 86.4 | 36.0 | 991.7 | 0.0 |
| | 16:30 | 1 | 7 | Offline | 6 | 6 | 1.1 | 86.0 | 85.7 | 36.0 | 991.4 | 0.0 |
| | 16:45 | 2 | 7 | Offline | 6 | 6 | 0.9 | 103.0 | 84.9 | 39.0 | 991.2 | 0.0 |
| | 17:00 | 2 | 7 | Offline | 6 | 6 | 0.5 | 180.6 | 84.8 | 42.0 | 991.2 | 0.0 |
| | 17:15 | 2 | 7 | Offline | 6 | 6 | 0.4 | 211.2 | 83.5 | 44.0 | 991.2 | 0.0 |
| | 17:30 | 2 | 7 | Offline | 6 | 6 | 0.4 | 261.6 | 82.9 | 46.0 | 991.1 | 0.0 |
| | 17:45 | 2 | 10 | Offline | 6 | 6 | 0.4 | 248.5 | 82.4 | 48.0 | 991.1 | 0.0 |
| | 18:00 | 2 | 7 | Offline | 6 | 6 | 0.3 | 256.5 | 82.8 | 48.0 | 991.2 | 0.0 |
| | 18:15 | 2 | 7 | Offline | 7 | 6 | 0.3 | 302.6 | 81.0 | 50.0 | 990.7 | 0.0 |
| | 18:30 | 2 | 8 | Offline | 7 | 7 | 0.3 | 218.4 | 79.1 | 50.0 | 990.4 | 0.0 |
| | 18:45 | 2 | 7 | Offline | 7 | 7 | 0.3 | 298.3 | 77.2 | 53.0 | 990.3 | 0.0 |
| | 19:00 | 4 | 8 | Offline | 8 | 7 | 0.4 | 15.9 | 75.5 | 59.0 | 990.2 | 0.0 |
| | 19:15 | 4 | 9 | Offline | 9 | 9 | 0.5 | 43.9 | 74.4 | 54.0 | 990.2 | 0.0 |
| | 19:30 | 4 | 9 | Offline | 9 | 9 | 0.4 | 279.2 | 74.1 | 60.0 | 990.5 | 0.0 |
| | 19:45 | 4 | 9 | Offline | 9 | 8 | 0.4 | 332.2 | 73.3 | 57.0 | 990.9 | 0.0 |
| | 20:00 | 4 | 9 | Offline | 9 | 8 | 0.5 | 61.2 | 72.8 | 56.0 | 991.1 | 0.0 |
| | 20:15 | 5 | 9 | Offline | 8 | 8 | 0.5 | 79.0 | 72.5 | 58.0 | 991.0 | 0.0 |
| | 20:30 | 5 | 9 | Offline | 9 | 8 | 1.1 | 59.7 | 71.8 | 58.0 | 991.1 | 0.0 |
| | 20:45 | 5 | 9 | Offline | 9 | 9 | 0.9 | 71.5 | 71.6 | 59.0 | 991.2 | 0.0 |
| | 21:00 | 6 | 9 | Offline | 9 | 9 | 0.6 | 150.7 | 71.1 | 58.0 | 991.5 | 0.0 |
| | 21:15 | 6 | 10 | Offline | 9 | 9 | 0.6 | 138.7 | 71.0 | 57.0 | 991.8 | 0.0 |
| | 21:30 | 5 | 10 | Offline | 9 | 10 | 0.5 | 104.4 | 70.6 | 59.0 | 992.0 | 0.0 |
| | 21:45 | 5 | 9 | Offline | 9 | 9 | 0.8 | 64.0 | 69.9 | 60.0 | 991.8 | 0.0 |
| | 22:00 | 4 | 8 | Offline | 9 | 8 | 0.8 | 79.6 | 69.6 | 59.0 | 991.9 | 0.0 |
| | 22:15 | 4 | 8 | Offline | 8 | 8 | 0.8 | 75.8 | 69.3 | 59.0 | 992.0 | 0.0 |
| | 22:30 | 4 | 11 | Offline | 9 | 9 | 0.9 | 73.9 | 69.4 | 57.0 | 991.9 | 0.0 |
| | 22:45 | 3 | 7 | Offline | 9 | 8 | 0.7 | 75.5 | 69.2 | 58.0 | 991.9 | 0.0 |
| | 23:00 | 3 | 7 | Offline | 8 | 7 | 0.9 | 64.0 | 68.8 | 57.0 | 991.9 | 0.0 |
| | 23:15 | 3 | 7 | Offline | 7 | 7 | 0.9 | 62.5 | 68.4 | 58.0 | 991.8 | 0.0 |
| | 23:30 | 3 | 7 | Offline | 7 | 7 | 0.9 | 67.8 | 67.8 | 58.0 | 991.7 | 0.0 |
| | 23:45 | 3 | 7 | Offline | 7 | 7 | 0.9 | 67.9 | 67.3 | 58.0 | 991.6 | 0.0 |
| | 00:00 | 2 | 6 | Offline | 7 | 6 | 0.9 | 81.5 | 66.9 | 59.0 | 991.5 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/24/2023 | 00:15 | 4 | 6 | Offline | 7 | 7 | 0.9 | 96.4 | 66.5 | 59.0 | 991.4 | 0.0 |
| | 00:30 | 5 | 7 | Offline | 6 | 6 | 1.0 | 85.6 | 66.1 | 60.0 | 991.5 | 0.0 |
| | 00:45 | 5 | 7 | Offline | 6 | 6 | 0.8 | 60.0 | 65.9 | 60.0 | 991.5 | 0.0 |
| | 01:00 | 5 | 6 | Offline | 6 | 6 | 0.9 | 61.1 | 65.6 | 59.0 | 991.3 | 0.0 |
| | 01:15 | 5 | 6 | Offline | 6 | 6 | 0.9 | 68.6 | 65.4 | 59.0 | 991.3 | 0.0 |
| | 01:30 | 5 | 6 | Offline | 6 | 6 | 1.0 | 86.3 | 65.3 | 59.0 | 991.5 | 0.0 |
| | 01:45 | 5 | 6 | Offline | 6 | 5 | 0.9 | 86.5 | 64.9 | 59.0 | 991.5 | 0.0 |
| | 02:00 | 4 | 5 | Offline | 5 | 5 | 0.8 | 85.6 | 64.8 | 60.0 | 991.7 | 0.0 |
| | 02:15 | 4 | 5 | Offline | 5 | 5 | 0.8 | 34.5 | 64.8 | 58.0 | 991.6 | 0.0 |
| | 02:30 | 4 | 5 | Offline | 5 | 5 | 0.9 | 60.1 | 64.9 | 57.0 | 991.5 | 0.0 |
| | 02:45 | 4 | 5 | Offline | 5 | 5 | 0.8 | 80.1 | 65.1 | 56.0 | 991.5 | 0.0 |
| | 03:00 | 4 | 5 | Offline | 5 | 5 | 0.8 | 65.9 | 65.1 | 57.0 | 991.3 | 0.0 |
| | 03:15 | 4 | 5 | Offline | 5 | 5 | 1.0 | 66.0 | 65.0 | 56.0 | 991.1 | 0.0 |
| | 03:30 | 4 | 5 | Offline | 5 | 5 | 1.0 | 66.1 | 64.5 | 58.0 | 991.0 | 0.0 |
| | 03:45 | 4 | 5 | Offline | 5 | 5 | 0.8 | 75.3 | 64.2 | 59.0 | 991.0 | 0.0 |
| | 04:00 | 4 | 5 | Offline | 5 | 5 | 1.0 | 65.2 | 63.8 | 60.0 | 991.0 | 0.0 |
| | 04:15 | 4 | 5 | Offline | 5 | 5 | 1.3 | 48.6 | 62.9 | 62.0 | 991.0 | 0.0 |
| | 04:30 | 4 | 5 | Offline | 5 | 5 | 1.2 | 51.1 | 62.4 | 63.0 | 990.9 | 0.0 |
| | 04:45 | 4 | 5 | Offline | 5 | 5 | 0.6 | 53.0 | 62.3 | 64.0 | 991.1 | 0.0 |
| | 05:00 | 4 | 5 | Offline | 5 | 5 | 0.7 | 78.6 | 62.1 | 64.0 | 991.2 | 0.0 |
| | 05:15 | 4 | 5 | Offline | 5 | 5 | 0.6 | 56.5 | 62.1 | 65.0 | 991.4 | 0.0 |
| | 05:30 | 4 | 5 | Offline | 5 | 5 | 0.8 | 49.1 | 61.8 | 66.0 | 991.2 | 0.0 |
| | 05:45 | 4 | 5 | Offline | 4 | 4 | 0.5 | 67.5 | 61.8 | 66.0 | 991.4 | 0.0 |
| | 06:00 | 3 | 5 | Offline | 4 | 4 | 1.0 | 60.0 | 61.6 | 67.0 | 991.4 | 0.0 |
| | 06:15 | 4 | 5 | Offline | 5 | 5 | 0.7 | 42.1 | 61.6 | 66.0 | 991.6 | 0.0 |
| | 06:30 | 4 | 5 | Offline | 5 | 5 | 1.1 | 49.2 | 61.5 | 66.0 | 991.7 | 0.0 |
| | 06:45 | 4 | 5 | Offline | 5 | 4 | 1.0 | 62.0 | 61.6 | 65.0 | 991.9 | 0.0 |
| | 07:00 | 4 | 5 | Offline | 5 | 5 | 1.0 | 65.1 | 61.8 | 65.0 | 992.2 | 0.0 |
| | 07:15 | 4 | 5 | Offline | 5 | 4 | 1.2 | 78.9 | 62.4 | 63.0 | 992.1 | 0.0 |
| | 07:30 | 10 | 8 | Offline | 6 | 6 | 1.0 | 70.7 | 63.3 | 62.0 | 992.2 | 0.0 |
| | 07:45 | 9 | 6 | Offline | 8 | 8 | 1.0 | 80.3 | 63.5 | 62.0 | 992.2 | 0.0 |
| | 08:00 | 7 | 9 | Offline | 5 | 5 | 0.9 | 73.9 | 63.9 | 61.0 | 992.2 | 0.0 |
| | 08:15 | 9 | 9 | Offline | 5 | 5 | 1.0 | 81.3 | 64.6 | 59.0 | 992.2 | 0.0 |
| | 08:30 | 7 | 7 | Offline | 5 | 5 | 0.6 | 114.3 | 65.6 | 59.0 | 992.5 | 0.0 |
| | 08:45 | 4 | 7 | Offline | 5 | 4 | 0.6 | 78.9 | 66.5 | 56.0 | 992.6 | 0.0 |
| | 09:00 | 4 | 6 | Offline | 4 | 4 | 0.7 | 128.9 | 68.0 | 52.0 | 992.5 | 0.0 |
| | 09:15 | 3 | 5 | Offline | 4 | 4 | 0.9 | 144.7 | 71.5 | 46.0 | 992.7 | 0.0 |
| | 09:30 | 3 | 4 | Offline | 4 | 4 | 1.2 | 120.3 | 72.7 | 47.0 | 992.7 | 0.0 |
| | 09:45 | 2 | 4 | Offline | 4 | 4 | 1.0 | 214.7 | 73.2 | 43.0 | 992.7 | 0.0 |
| | 10:00 | 2 | 4 | Offline | 4 | 4 | 1.1 | 110.4 | 73.6 | 42.0 | 992.5 | 0.0 |
| | 10:15 | 2 | 4 | Offline | 4 | 4 | 1.2 | 245.7 | 74.3 | 40.0 | 992.6 | 0.0 |
| | 10:30 | 2 | 4 | Offline | 4 | 4 | 1.3 | 216.5 | 75.7 | 40.0 | 992.6 | 0.0 |
| | 10:45 | 2 | 4 | Offline | 4 | 4 | 1.0 | 221.3 | 76.4 | 38.0 | 992.5 | 0.0 |
| | 11:00 | 2 | 4 | Offline | 4 | 4 | 1.2 | 161.0 | 78.6 | 34.0 | 992.5 | 0.0 |
| | 11:15 | 2 | 4 | Offline | 4 | 4 | 1.6 | 193.7 | 79.6 | 36.0 | 992.5 | 0.0 |
| | 11:30 | 2 | 4 | Offline | 4 | 4 | 1.2 | 230.7 | 80.6 | 35.0 | 992.4 | 0.0 |
| | 11:45 | 2 | 4 | Offline | 4 | 4 | 1.5 | 225.2 | 80.3 | 34.0 | 992.2 | 0.0 |
| | 12:00 | 3 | 5 | Offline | 5 | 5 | 1.6 | 188.3 | 80.6 | 36.0 | 992.2 | 0.0 |
| | 12:15 | 3 | 5 | Offline | 5 | 5 | 1.6 | 223.5 | 81.1 | 36.0 | 992.2 | 0.0 |
| | 12:30 | 3 | 5 | Offline | 5 | 5 | 1.6 | 216.1 | 82.7 | 36.0 | 992.0 | 0.0 |
| | 12:45 | 3 | 5 | Offline | 5 | 5 | 1.7 | 212.9 | 84.0 | 36.0 | 992.0 | 0.0 |
| | 13:00 | 3 | 6 | Offline | 6 | 6 | 1.8 | 236.5 | 84.4 | 37.0 | 992.0 | 0.0 |
| | 13:15 | 4 | 6 | Offline | 6 | 6 | 2.2 | 251.5 | 84.3 | 38.0 | 991.7 | 0.0 |
| | 13:30 | 4 | 6 | Offline | 6 | 6 | 1.4 | 238.4 | 85.1 | 38.0 | 991.5 | 0.0 |
| | 13:45 | 5 | 6 | Offline | 6 | 6 | 1.2 | 256.2 | 85.8 | 37.0 | 991.3 | 0.0 |
| | 14:00 | 4 | 6 | Offline | 7 | 7 | 1.3 | 325.6 | 86.3 | 35.0 | 991.0 | 0.0 |
| | 14:15 | 4 | 7 | Offline | 7 | 6 | 1.4 | 115.3 | 86.6 | 36.0 | 990.8 | 0.0 |
| | 14:30 | 5 | 7 | Offline | 7 | 7 | 1.3 | 242.9 | 86.3 | 35.0 | 990.7 | 0.0 |
| | 14:45 | 5 | 8 | Offline | 7 | 7 | 1.4 | 248.0 | 87.0 | 36.0 | 990.6 | 0.0 |
| | 15:00 | 5 | 8 | Offline | 8 | 8 | 1.5 | 251.4 | 87.4 | 35.0 | 990.6 | 0.0 |
| | 15:15 | 6 | 8 | Offline | 8 | 8 | 1.1 | 220.5 | 87.8 | 37.0 | 990.6 | 0.0 |
| | 15:30 | 5 | 8 | Offline | 8 | 8 | 1.4 | 241.5 | 87.2 | 35.0 | 990.5 | 0.0 |
| | 15:45 | 6 | 8 | Offline | 8 | 8 | 1.5 | 236.9 | 86.5 | 38.0 | 990.4 | 0.0 |
| | 16:00 | 5 | 7 | Offline | 8 | 7 | 1.2 | 229.9 | 85.6 | 37.0 | 990.5 | 0.0 |
| | 16:15 | 5 | 8 | Offline | 7 | 8 | 1.4 | 242.5 | 86.1 | 37.0 | 990.6 | 0.0 |
| | 16:30 | 5 | 7 | Offline | 7 | 7 | 1.0 | 198.6 | 85.7 | 37.0 | 990.7 | 0.0 |
| | 16:45 | 6 | 7 | Offline | 7 | 7 | 1.1 | 253.3 | 85.7 | 37.0 | 990.8 | 0.0 |
| | 17:00 | 5 | 7 | Offline | 7 | 7 | 1.2 | 237.7 | 84.0 | 39.0 | 990.9 | 0.0 |
| | 17:15 | 5 | 7 | Offline | 7 | 7 | 1.7 | 240.2 | 82.4 | 40.0 | 991.1 | 0.0 |
| | 17:30 | 5 | 7 | Offline | 7 | 7 | 1.3 | 240.8 | 82.1 | 40.0 | 991.3 | 0.0 |
| | 17:45 | 6 | 7 | Offline | 7 | 8 | 1.1 | 257.1 | 81.6 | 42.0 | 991.6 | 0.0 |
| | 18:00 | 5 | 6 | Offline | 7 | 7 | 1.3 | 239.7 | 81.0 | 43.0 | 991.8 | 0.0 |
| | 18:15 | 4 | 6 | Offline | 7 | 7 | 1.2 | 243.1 | 80.3 | 43.0 | 992.0 | 0.0 |
| | 18:30 | 5 | 6 | Offline | 7 | 7 | 0.9 | 241.4 | 79.7 | 44.0 | 992.1 | 0.0 |
| | 18:45 | 4 | 6 | Offline | 7 | 7 | 0.8 | 249.5 | 78.6 | 47.0 | 992.1 | 0.0 |
| | 19:00 | 4 | 6 | Offline | 6 | 6 | 0.9 | 273.3 | 77.4 | 48.0 | 992.2 | 0.0 |
| | 19:15 | 4 | 6 | Offline | 6 | 6 | 1.0 | 280.4 | 76.4 | 49.0 | 992.3 | 0.0 |
| | 19:30 | 4 | 6 | Offline | 6 | 6 | 0.9 | 267.5 | 75.5 | 51.0 | 992.4 | 0.0 |
| | 19:45 | 4 | 6 | Offline | 7 | 6 | 0.8 | 277.2 | 74.5 | 53.0 | 992.6 | 0.0 |
| | 20:00 | 5 | 6 | Offline | 7 | 6 | 0.7 | 266.5 | 73.5 | 55.0 | 992.6 | 0.0 |
| | 20:15 | 5 | 6 | Offline | 7 | 6 | 0.6 | 288.0 | 72.6 | 57.0 | 992.6 | 0.0 |
| | 20:30 | 4 | 6 | Offline | 6 | 6 | 0.8 | 272.8 | 72.1 | 57.0 | 992.6 | 0.0 |
| | 20:45 | 4 | 6 | Offline | 6 | 6 | 0.7 | 51.6 | 71.4 | 58.0 | 992.6 | 0.0 |
| | 21:00 | 4 | 6 | Offline | 6 | 6 | 0.8 | 269.4 | 70.8 | 60.0 | 992.6 | 0.0 |
| | 21:15 | 5 | 6 | Offline | 6 | 6 | 0.6 | 250.7 | 70.2 | 61.0 | 992.7 | 0.0 |
| | 21:30 | 5 | 7 | Offline | 6 | 6 | 0.5 | 67.3 | 69.3 | 63.0 | 992.8 | 0.0 |
| | 21:45 | 5 | 7 | Offline | 6 | 6 | 0.6 | 280.5 | 68.8 | 65.0 | 992.9 | 0.0 |
| | 22:00 | 6 | 7 | Offline | 7 | 6 | 0.6 | 253.6 | 68.6 | 67.0 | 992.9 | 0.0 |
| | 22:15 | 7 | 7 | Offline | 7 | 7 | 0.3 | 9.7 | 67.7 | 69.0 | 993.0 | 0.0 |
| | 22:30 | 6 | 7 | Offline | 7 | 7 | 0.4 | 357.0 | 67.1 | 71.0 | 993.1 | 0.0 |
| | 22:45 | 6 | 7 | Offline | 7 | 7 | 0.4 | 284.2 | 66.5 | 73.0 | 993.2 | 0.0 |
| | 23:00 | 6 | 7 | Offline | 7 | 7 | 0.5 | 36.9 | 66.2 | 73.0 | 993.2 | 0.0 |
| | 23:15 | 6 | 7 | Offline | 7 | 7 | 0.5 | 307.8 | 66.6 | 73.0 | 993.2 | 0.0 |
| | 23:30 | 6 | 7 | Offline | 7 | 7 | 0.6 | 272.2 | 66.8 | 72.0 | 993.2 | 0.0 |
| | 23:45 | 5 | 8 | Offline | 7 | 7 | 0.7 | 253.6 | 67.0 | 72.0 | 993.3 | 0.0 |
| | 00:00 | 7 | 8 | Offline | 7 | 7 | 0.5 | 278.3 | 66.8 | 74.0 | 993.3 | 0.0 |

Draft

Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/25/2023 | 00:15 | 6 | 7 | Offline | 7 | 7 | 0.3 | 342.4 | 66.0 | 76.0 | 993.3 | 0.0 |
| | 00:30 | 6 | 7 | Offline | 7 | 7 | 0.3 | 5.0 | 64.9 | 78.0 | 993.4 | 0.0 |
| | 00:45 | 5 | 8 | Offline | 7 | 7 | 0.3 | 2.8 | 64.1 | 80.0 | 993.5 | 0.0 |
| | 01:00 | 7 | 9 | Offline | 7 | 7 | 0.3 | 54.6 | 63.4 | 82.0 | 993.5 | 0.0 |
| | 01:15 | 9 | 11 | Offline | 8 | 8 | 0.4 | 26.8 | 62.9 | 83.0 | 993.7 | 0.0 |
| | 01:30 | 8 | 11 | Offline | 8 | 8 | 0.4 | 9.4 | 62.6 | 84.0 | 993.7 | 0.0 |
| | 01:45 | 7 | 9 | Offline | 7 | 8 | 0.3 | 354.4 | 63.1 | 84.0 | 993.6 | 0.0 |
| | 02:00 | 6 | 8 | Offline | 7 | 7 | 0.3 | 313.2 | 63.8 | 82.0 | 993.6 | 0.0 |
| | 02:15 | 6 | 7 | Offline | 7 | 7 | 0.3 | 330.5 | 64.7 | 81.0 | 993.5 | 0.0 |
| | 02:30 | 6 | 7 | Offline | 7 | 7 | 0.4 | 30.8 | 64.8 | 81.0 | 993.3 | 0.0 |
| | 02:45 | 5 | 7 | Offline | 7 | 7 | 0.4 | 38.2 | 64.6 | 82.0 | 993.3 | 0.0 |
| | 03:00 | 6 | 8 | Offline | 7 | 7 | 0.3 | 17.2 | 64.2 | 83.0 | 993.2 | 0.0 |
| | 03:15 | 6 | 7 | Offline | 7 | 7 | 0.3 | 46.2 | 63.7 | 84.0 | 993.2 | 0.0 |
| | 03:30 | 6 | 7 | Offline | 7 | 7 | 0.4 | 48.2 | 63.2 | 85.0 | 993.2 | 0.0 |
| | 03:45 | 6 | 8 | Offline | 6 | 7 | 0.4 | 29.9 | 62.9 | 86.0 | 993.3 | 0.0 |
| | 04:00 | 6 | 7 | Offline | 6 | 7 | 0.4 | 23.1 | 62.7 | 87.0 | 993.4 | 0.0 |
| | 04:15 | 6 | 8 | Offline | 6 | 7 | 0.4 | 0.8 | 62.4 | 87.0 | 993.4 | 0.0 |
| | 04:30 | 7 | 10 | Offline | 6 | 7 | 0.4 | 292.6 | 62.5 | 87.0 | 993.4 | 0.0 |
| | 04:45 | 6 | 7 | Offline | 6 | 6 | 0.4 | 310.7 | 62.8 | 87.0 | 993.5 | 0.0 |
| | 05:00 | 5 | 7 | Offline | 6 | 6 | 0.5 | 23.4 | 63.1 | 87.0 | 993.6 | 0.0 |
| | 05:15 | 6 | 12 | Offline | 6 | 7 | 0.5 | 21.1 | 63.5 | 87.0 | 993.6 | 0.0 |
| | 05:30 | 9 | 13 | Offline | 6 | 6 | 0.4 | 27.3 | 63.8 | 86.0 | 993.7 | 0.0 |
| | 05:45 | 7 | 9 | Offline | 6 | 6 | 0.4 | 322.4 | 64.0 | 86.0 | 993.8 | 0.0 |
| | 06:00 | 5 | 7 | Offline | 6 | 6 | 0.6 | 9.5 | 64.6 | 85.0 | 993.9 | 0.0 |
| | 06:15 | 5 | 7 | Offline | 7 | 7 | 0.5 | 20.0 | 64.9 | 84.0 | 994.0 | 0.0 |
| | 06:30 | 6 | 7 | Offline | 7 | 7 | 0.3 | 119.1 | 65.0 | 84.0 | 994.1 | 0.0 |
| | 06:45 | 6 | 7 | Offline | 7 | 7 | 0.3 | 98.4 | 64.7 | 85.0 | 994.2 | 0.0 |
| | 07:00 | 6 | 8 | Offline | 6 | 7 | 0.5 | 107.4 | 64.3 | 86.0 | 994.3 | 0.0 |
| | 07:15 | 5 | 7 | Offline | 7 | 7 | 0.5 | 65.0 | 64.2 | 85.0 | 994.4 | 0.0 |
| | 07:30 | 5 | 7 | Offline | 6 | 6 | 0.5 | 85.6 | 64.5 | 84.0 | 994.4 | 0.0 |
| | 07:45 | 5 | 7 | Offline | 6 | 6 | 0.8 | 245.6 | 65.9 | 80.0 | 994.3 | 0.0 |
| | 08:00 | 2 | 6 | Offline | 6 | 6 | 0.9 | 255.6 | 66.8 | 79.0 | 994.5 | 0.0 |
| | 08:15 | 3 | 6 | Offline | 7 | 7 | 0.7 | 217.2 | 67.6 | 78.0 | 994.7 | 0.0 |
| | 08:30 | 3 | 8 | 7 | 4 | 0 | 1.2 | 237.1 | 68.5 | 77.0 | 994.8 | 0.0 |
| | 08:45 | 7 | 9 | 8 | 7 | 7 | 1.1 | 219.8 | 70.0 | 76.0 | 994.8 | 0.0 |
| | 09:00 | 5 | 10 | 8 | 8 | 8 | 1.3 | 204.5 | 71.0 | 75.0 | 995.0 | 0.0 |
| | 09:15 | 7 | 12 | 9 | 10 | 11 | 1.2 | 210.6 | 71.6 | 76.0 | 995.2 | 0.0 |
| | 09:30 | 6 | 12 | 11 | 11 | 11 | 1.3 | 257.6 | 72.2 | 74.0 | 995.2 | 0.0 |
| | 09:45 | 8 | 12 | 12 | 12 | 12 | 1.2 | 244.7 | 73.6 | 74.0 | 995.2 | 0.0 |
| | 10:00 | 7 | 14 | 14 | 14 | 14 | 0.9 | 215.7 | 74.5 | 71.0 | 995.1 | 0.0 |
| | 10:15 | 7 | 12 | 12 | 12 | 12 | 0.8 | 253.2 | 74.9 | 72.0 | 995.1 | 0.0 |
| | 10:30 | 9 | 12 | 12 | 13 | 13 | 0.7 | 177.7 | 76.6 | 65.0 | 995.1 | 0.0 |
| | 10:45 | 6 | 12 | 13 | 21 | 23 | 1.4 | 221.9 | 76.7 | 68.0 | 995.2 | 0.0 |
| | 11:00 | 14 | 16 | 12 | 14 | 15 | 0.9 | 232.3 | 77.0 | 64.0 | 995.4 | 0.0 |
| | 11:15 | 6 | 10 | 10 | 10 | 10 | 1.5 | 245.6 | 78.3 | 63.0 | 995.3 | 0.0 |
| | 11:30 | 5 | 10 | 10 | 10 | 10 | 1.4 | 251.2 | 79.3 | 58.0 | 995.2 | 0.0 |
| | 11:45 | 8 | 11 | 10 | 11 | 11 | 1.4 | 234.8 | 80.6 | 55.0 | 995.0 | 0.0 |
| | 12:00 | 6 | 8 | 8 | 8 | 9 | 1.8 | 227.9 | 81.0 | 50.0 | 994.9 | 0.0 |
| | 12:15 | 3 | 7 | 8 | 8 | 9 | 1.4 | 252.6 | 82.2 | 47.0 | 994.8 | 0.0 |
| | 12:30 | 1 | 6 | 6 | 7 | 7 | 1.5 | 249.2 | 83.3 | 47.0 | 994.7 | 0.0 |
| | 12:45 | 6 | 7 | 6 | 13 | 16 | 1.5 | 250.1 | 84.0 | 45.0 | 994.6 | 0.0 |
| | 13:00 | 4 | 7 | 7 | 11 | 10 | 1.7 | 247.1 | 83.8 | 41.0 | 994.4 | 0.0 |
| | 13:15 | 1 | 5 | 5 | 5 | 6 | 2.0 | 235.0 | 84.5 | 41.0 | 994.3 | 0.0 |
| | 13:30 | 2 | 5 | 5 | 7 | 7 | 2.1 | 259.0 | 85.1 | 40.0 | 994.2 | 0.0 |
| | 13:45 | 3 | 6 | 7 | 8 | 8 | 1.4 | 261.9 | 86.3 | 35.0 | 994.0 | 0.0 |
| | 14:00 | 0 | 5 | 4 | 9 | 12 | 1.0 | 291.1 | 89.4 | 35.0 | 994.0 | 0.0 |
| | 14:15 | 0 | 4 | 4 | 7 | 6 | 1.1 | 314.6 | 89.3 | 32.0 | 993.8 | 0.0 |
| | 14:30 | 0 | 4 | 4 | 6 | 6 | 1.8 | 254.6 | 87.3 | 33.0 | 993.8 | 0.0 |
| | 14:45 | 0 | 6 | 4 | 7 | 7 | 1.3 | 299.7 | 88.8 | 31.0 | 993.6 | 0.0 |
| | 15:00 | 0 | 3 | 4 | 9 | 9 | 1.4 | 295.1 | 88.6 | 31.0 | 993.5 | 0.0 |
| | 15:15 | 0 | 4 | 2 | 4 | 5 | 1.2 | 325.7 | 89.4 | 31.0 | 993.4 | 0.0 |
| | 15:30 | 0 | 3 | 2 | 10 | 11 | 0.7 | 307.7 | 88.5 | 31.0 | 993.5 | 0.0 |
| | 15:45 | 0 | 3 | 2 | 4 | 4 | 0.7 | 333.2 | 88.5 | 30.0 | 993.4 | 0.0 |
| | 16:00 | 0 | 3 | 2 | 4 | 4 | 1.2 | 290.3 | 89.2 | 33.0 | 993.4 | 0.0 |
| | 16:15 | 0 | 3 | 2 | 7 | 9 | 1.0 | 273.7 | 89.9 | 31.0 | 993.3 | 0.0 |
| | 16:30 | 0 | 3 | 3 | 6 | 7 | 0.7 | 299.5 | 89.7 | 31.0 | 993.3 | 0.0 |
| | 16:45 | 0 | 3 | 2 | 3 | 4 | 0.8 | 305.2 | 88.9 | 32.0 | 993.3 | 0.0 |
| | 17:00 | 0 | 3 | 2 | 3 | 3 | 0.6 | 318.0 | 88.3 | 31.0 | 993.4 | 0.0 |
| | 17:15 | 0 | 3 | 1 | 3 | 3 | 0.6 | 313.4 | 88.5 | 32.0 | 993.4 | 0.0 |
| | 17:30 | 0 | 2 | 2 | 7 | 7 | 0.6 | 296.3 | 86.8 | 36.0 | 993.5 | 0.0 |
| | 17:45 | 0 | 4 | 2 | 5 | 5 | 0.5 | 277.5 | 84.8 | 37.0 | 993.5 | 0.0 |
| | 18:00 | 1 | 6 | 3 | 4 | 4 | 0.3 | 260.7 | 83.0 | 42.0 | 993.6 | 0.0 |
| | 18:15 | 10 | 5 | 2 | 2 | 2 | 0.4 | 259.3 | 81.0 | 45.0 | 993.7 | 0.0 |
| | 18:30 | 15 | 4 | 2 | 2 | 2 | 0.3 | 218.6 | 79.3 | 49.0 | 993.8 | 0.0 |
| | 18:45 | 3 | 6 | 3 | 4 | 4 | 0.3 | 231.0 | 78.1 | 49.0 | 993.8 | 0.0 |
| | 19:00 | 0 | 6 | 5 | 5 | 5 | 0.3 | 262.5 | 76.8 | 53.0 | 993.7 | 0.0 |
| | 19:15 | 2 | 7 | 4 | 4 | 4 | 0.3 | 274.9 | 75.6 | 53.0 | 993.7 | 0.0 |
| | 19:30 | 0 | 5 | 4 | 4 | 4 | 0.3 | 292.4 | 74.3 | 56.0 | 993.8 | 0.0 |
| | 19:45 | 0 | 4 | 4 | 4 | 4 | 0.2 | 263.7 | 73.8 | 59.0 | 993.8 | 0.0 |
| | 20:00 | 1 | 4 | 4 | 4 | 4 | 0.2 | 275.6 | 73.4 | 59.0 | 993.9 | 0.0 |
| | 20:15 | 1 | 4 | 4 | 4 | 4 | 0.3 | 179.8 | 72.8 | 65.0 | 994.1 | 0.0 |
| | 20:30 | 1 | 5 | 5 | 5 | 5 | 0.3 | 198.6 | 72.3 | 62.0 | 994.1 | 0.0 |
| | 20:45 | 1 | 6 | 6 | 5 | 6 | 0.3 | 157.4 | 72.0 | 65.0 | 994.1 | 0.0 |
| | 21:00 | 1 | 6 | 6 | 6 | 5 | 0.3 | 82.8 | 71.7 | 65.0 | 994.0 | 0.0 |
| | 21:15 | 1 | 5 | 5 | 4 | 4 | 0.3 | 123.5 | 71.1 | 69.0 | 994.0 | 0.0 |
| | 21:30 | 0 | 4 | 4 | 4 | 4 | 0.3 | 126.5 | 70.2 | 69.0 | 994.1 | 0.0 |
| | 21:45 | 0 | 3 | 4 | 4 | 4 | 0.3 | 65.8 | 69.3 | 73.0 | 994.2 | 0.0 |
| | 22:00 | 0 | 3 | 4 | 4 | 4 | 0.3 | 66.3 | 68.9 | 75.0 | 994.3 | 0.0 |
| | 22:15 | 0 | 3 | 4 | 3 | 4 | 0.2 | 85.1 | 68.8 | 74.0 | 994.3 | 0.0 |
| | 22:30 | 0 | 4 | 4 | 3 | 4 | 0.3 | 101.6 | 68.4 | 74.0 | 994.3 | 0.0 |
| | 22:45 | 0 | 4 | 4 | 4 | 4 | 0.3 | 191.0 | 68.2 | 74.0 | 994.3 | 0.0 |
| | 23:00 | 0 | 4 | 4 | 4 | 4 | 0.3 | 239.8 | 68.3 | 73.0 | 994.4 | 0.0 |
| | 23:15 | 1 | 4 | 5 | 5 | 5 | 0.6 | 261.7 | 68.8 | 76.0 | 994.4 | 0.0 |
| | 23:30 | 2 | 6 | 6 | 5 | 5 | 0.4 | 264.7 | 68.9 | 71.0 | 994.4 | 0.0 |
| | 23:45 | 2 | 6 | 6 | 7 | 8 | 0.5 | 255.7 | 69.2 | 73.0 | 994.4 | 0.0 |
| | 00:00 | 4 | 7 | 8 | 9 | 9 | 0.5 | 274.8 | 68.4 | 74.0 | 994.4 | 0.0 |

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Data are raw values and have not undergone full QA/QC validation.

| Date | Timestamp | SAM 1 | SAM 2 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/26/2023 | 00:15 | 6 | 7 | 8 | 8 | 8 | 0.7 | 272.4 | 67.9 | 67.0 | 994.4 | 0.0 |
| | 00:30 | 7 | 7 | 8 | 8 | 8 | 0.7 | 257.5 | 68.5 | 73.0 | 994.4 | 0.0 |
| | 00:45 | 7 | 7 | 8 | 8 | 9 | 0.4 | 333.0 | 67.5 | 76.0 | 994.3 | 0.0 |
| | 01:00 | 5 | 5 | 5 | 8 | 8 | 0.4 | 4.1 | 66.7 | 75.0 | 994.4 | 0.0 |
| | 01:15 | 4 | 5 | 6 | 5 | 6 | 0.4 | 23.8 | 66.8 | 69.0 | 994.3 | 0.0 |
| | 01:30 | 3 | 4 | 5 | 5 | 5 | 0.4 | 241.5 | 67.2 | 75.0 | 994.4 | 0.0 |
| | 01:45 | 4 | 5 | 5 | 5 | 5 | 0.3 | 147.0 | 66.2 | 76.0 | 994.3 | 0.0 |
| | 02:00 | 4 | 5 | 6 | 6 | 6 | 0.4 | 317.3 | 65.6 | 77.0 | 994.2 | 0.0 |
| | 02:15 | 5 | 5 | 5 | 7 | 7 | 0.7 | 278.4 | 66.5 | 67.0 | 994.2 | 0.0 |
| | 02:30 | 4 | 5 | 6 | 7 | 7 | 0.3 | 263.0 | 66.5 | 75.0 | 994.0 | 0.0 |
| | 02:45 | 4 | 6 | 6 | 6 | 6 | 0.4 | 315.3 | 65.7 | 72.0 | 993.9 | 0.0 |
| | 03:00 | 4 | 4 | 5 | 4 | 4 | 0.7 | 276.0 | 67.1 | 69.0 | 993.9 | 0.0 |
| | 03:15 | 3 | 4 | 4 | 4 | 4 | 0.3 | 291.3 | 66.6 | 76.0 | 994.0 | 0.0 |
| | 03:30 | 2 | 4 | 4 | 4 | 4 | 0.3 | 280.6 | 65.4 | 74.0 | 993.9 | 0.0 |
| | 03:45 | 2 | 3 | 3 | 3 | 3 | 0.3 | 255.1 | 64.8 | 76.0 | 993.9 | 0.0 |
| | 04:00 | 2 | 3 | 3 | 3 | 3 | 0.3 | 277.6 | 64.9 | 77.0 | 993.9 | 0.0 |
| | 04:15 | 2 | 3 | 3 | 3 | 3 | 0.5 | 272.0 | 65.3 | 76.0 | 993.9 | 0.0 |
| | 04:30 | 2 | 3 | 3 | 3 | 3 | 0.3 | 245.0 | 65.3 | 78.0 | 993.9 | 0.0 |
| | 04:45 | 1 | 3 | 3 | 3 | 3 | 0.5 | 259.5 | 65.3 | 75.0 | 994.0 | 0.0 |
| | 05:00 | 2 | 3 | 3 | 3 | 3 | 0.6 | 264.7 | 66.1 | 72.0 | 994.1 | 0.0 |
| | 05:15 | 1 | 3 | 3 | 3 | 3 | 0.6 | 254.6 | 66.3 | 72.0 | 994.1 | 0.0 |
| | 05:30 | 1 | 3 | 3 | 3 | 3 | 0.4 | 267.9 | 66.0 | 76.0 | 994.3 | 0.0 |
| | 05:45 | 2 | 3 | 3 | 3 | 3 | 0.3 | 248.5 | 64.8 | 79.0 | 994.5 | 0.0 |
| | 06:00 | 1 | 3 | 3 | 3 | 3 | 0.3 | 347.4 | 63.8 | 80.0 | 994.6 | 0.0 |
| | 06:15 | 1 | 3 | 3 | 3 | 3 | 0.3 | 15.6 | 63.0 | 81.0 | 994.8 | 0.0 |
| | 06:30 | 2 | 3 | 3 | 3 | 3 | 0.3 | 34.7 | 62.2 | 84.0 | 994.8 | 0.0 |
| | 06:45 | 2 | 3 | 3 | 3 | 3 | 0.4 | 37.4 | 61.3 | 85.0 | 994.9 | 0.0 |
| | 07:00 | 2 | 3 | 4 | 3 | 3 | 0.4 | 270.4 | 61.3 | 84.0 | 995.1 | 0.0 |
| | 07:15 | 2 | 3 | 3 | 3 | 3 | 0.5 | 326.9 | 61.4 | 85.0 | 995.2 | 0.0 |
| | 07:30 | 2 | 3 | 3 | 3 | 3 | 0.4 | 300.0 | 61.4 | 84.0 | 995.4 | 0.0 |
| | 07:45 | 2 | 4 | 3 | 3 | 3 | 0.4 | 249.6 | 63.4 | 80.0 | 995.4 | 0.0 |
| | 08:00 | 2 | 5 | 3 | 3 | 3 | 0.5 | 250.0 | 64.6 | 78.0 | 995.5 | 0.0 |
| | 08:15 | 4 | 6 | 3 | 3 | 3 | 0.6 | 245.5 | 67.4 | 72.0 | 995.6 | 0.0 |
| | 08:30 | 4 | 5 | 3 | 3 | 3 | 0.8 | 244.5 | 69.1 | 70.0 | 995.7 | 0.0 |
| | 08:45 | 3 | 4 | 2 | 3 | 3 | 0.8 | 237.8 | 69.1 | 70.0 | 995.8 | 0.0 |
| | 09:00 | 3 | 5 | 3 | 2 | 2 | 0.8 | 229.0 | 70.0 | 67.0 | 995.9 | 0.0 |
| | 09:15 | 7 | 6 | 2 | 2 | 2 | 0.8 | 233.1 | 72.1 | 64.0 | 996.0 | 0.0 |
| | 09:30 | 3 | 4 | 3 | 3 | 6 | 0.7 | 265.9 | 74.0 | 62.0 | 996.1 | 0.0 |
| | 09:45 | 4 | 5 | 5 | 7 | 6 | 0.8 | 232.0 | 75.0 | 59.0 | 996.1 | 0.0 |
| | 10:00 | 6 | 5 | 3 | 3 | 3 | 0.9 | 228.3 | 77.2 | 54.0 | 996.1 | 0.0 |
| | 10:15 | 6 | 4 | 3 | 3 | 3 | 0.9 | 213.5 | 79.4 | 50.0 | 996.0 | 0.0 |
| | 10:30 | 3 | 5 | 4 | 3 | 3 | 0.9 | 291.7 | 82.4 | 44.0 | 995.9 | 0.0 |
| | 10:45 | 5 | 6 | 7 | 8 | 8 | 1.2 | 269.9 | 83.9 | 43.0 | 995.9 | 0.0 |
| | 11:00 | 2 | 3 | 5 | 10 | 13 | 1.5 | 234.3 | 82.7 | 42.0 | 995.7 | 0.0 |
| | 11:15 | 4 | 6 | 5 | 8 | 7 | 1.6 | 242.7 | 82.6 | 42.0 | 995.6 | 0.0 |
| | 11:30 | 4 | 10 | 14 | 46 | 52 | 1.5 | 237.6 | 83.7 | 43.0 | 995.5 | 0.0 |
| | 11:45 | 1 | 5 | 14 | 10 | 10 | 0.9 | 275.2 | 85.5 | 41.0 | 995.5 | 0.0 |
| | 12:00 | 1 | 3 | 2 | 6 | 7 | 0.9 | 279.9 | 84.6 | 39.0 | 995.4 | 0.0 |
| | 12:15 | 1 | 3 | 2 | 3 | 3 | 0.9 | 307.5 | 86.3 | 37.0 | 995.2 | 0.0 |
| | 12:30 | 1 | 3 | 2 | 3 | 3 | 1.0 | 294.1 | 87.8 | 35.0 | 995.1 | 0.0 |
| | 12:45 | 1 | 6 | 3 | 4 | 3 | 1.4 | 256.8 | 87.0 | 38.0 | 994.9 | 0.0 |
| | 13:00 | 3 | 5 | 2 | 5 | 5 | 1.4 | 297.2 | 87.0 | 37.0 | 994.7 | 0.0 |
| | 13:15 | 1 | 3 | 3 | 6 | 5 | 0.8 | 308.3 | 85.4 | 40.0 | 994.7 | 0.0 |
| | 13:30 | 1 | 3 | 6 | 16 | 15 | 1.4 | 275.2 | 85.4 | 39.0 | 994.6 | 0.0 |
| | 13:45 | 5 | 7 | 5 | 11 | 11 | 1.3 | 253.3 | 84.6 | 37.0 | 994.3 | 0.0 |
| | 14:00 | 3 | 3 | 2 | 5 | 4 | 1.0 | 278.2 | 85.4 | 35.0 | 994.1 | 0.0 |
| | 14:15 | 3 | 5 | 2 | 6 | 7 | 1.1 | 248.6 | 86.2 | 35.0 | 993.8 | 0.0 |
| | 14:30 | 3 | 7 | 8 | 21 | 23 | 1.3 | 282.8 | 88.0 | 34.0 | 993.7 | 0.0 |
| | 14:45 | 3 | 6 | 7 | 18 | 19 | 0.7 | 280.9 | 86.4 | 36.0 | 993.5 | 0.0 |
| | 15:00 | 2 | 7 | 23 | 34 | 38 | 0.9 | 263.3 | 86.2 | 36.0 | 993.5 | 0.0 |
| | 15:15 | 2 | 7 | 16 | 38 | 38 | 0.7 | 253.3 | 85.4 | 36.0 | 993.4 | 0.0 |
| | 15:30 | 44 | 10 | 10 | 20 | 21 | 1.1 | 264.9 | 86.2 | 34.0 | 993.2 | 0.0 |
| | 15:45 | 1 | 4 | 8 | 31 | 25 | 1.1 | 315.5 | 86.0 | 36.0 | 993.1 | 0.0 |
| | 16:00 | 2 | 3 | 2 | 4 | 4 | 0.9 | 324.9 | 87.0 | 38.0 | 993.0 | 0.0 |
| | 16:15 | 2 | 3 | 3 | 4 | 5 | 0.9 | 328.4 | 86.1 | 40.0 | 992.9 | 0.0 |
| | 16:30 | 2 | 3 | 4 | 6 | 8 | 0.9 | 4.2 | 83.2 | 41.0 | 992.9 | 0.0 |
| | 16:45 | 2 | 3 | 3 | 5 | 4 | 0.8 | 343.8 | 82.3 | 44.0 | 992.9 | 0.0 |
| | 17:00 | 2 | 3 | 3 | 5 | 5 | 0.6 | 301.7 | 80.6 | 54.0 | 993.1 | 0.0 |
| | 17:15 | 2 | 3 | 4 | 5 | 5 | 0.7 | 257.2 | 78.2 | 67.0 | 993.2 | 0.0 |
| | 17:30 | 3 | 4 | 5 | 5 | 5 | 0.4 | 266.5 | 75.1 | 70.0 | 993.2 | 0.0 |
| | 17:45 | 4 | 4 | 4 | 5 | 4 | 0.4 | 203.7 | 74.1 | 75.0 | 993.0 | 0.0 |
| | 18:00 | 3 | 4 | 4 | 4 | 4 | 0.4 | 325.0 | 73.4 | 75.0 | 992.9 | 0.0 |
| | 18:15 | 3 | 4 | 4 | 4 | 5 | 0.4 | 192.4 | 72.9 | 69.0 | 992.9 | 0.0 |
| | 18:30 | 3 | 4 | 4 | 4 | 4 | 0.5 | 266.8 | 72.9 | 72.0 | 992.8 | 0.0 |
| | 18:45 | 3 | 4 | 4 | 4 | 4 | 2.3 | 248.3 | 71.4 | 75.0 | 993.9 | 0.0 |
| | 19:00 | 5 | 5 | 6 | 6 | 7 | 2.5 | 237.0 | 65.5 | 92.0 | 994.9 | 0.0 |
| | 19:15 | 6 | 6 | 7 | 10 | 10 | 1.7 | 70.0 | 63.7 | 94.0 | 993.8 | 0.0 |
| | 19:30 | 4 | 4 | 4 | 6 | 6 | 1.0 | 337.2 | 64.3 | 96.0 | 993.8 | 0.0 |
| | 19:45 | 5 | 5 | 6 | 6 | 7 | 1.4 | 212.1 | 64.0 | 96.0 | 993.7 | 0.0 |
| | 20:00 | 4 | 4 | 5 | 6 | 6 | 0.8 | 75.2 | 63.9 | 97.0 | 993.7 | 0.0 |
| | 20:15 | 2 | 3 | 4 | 3 | 4 | 0.6 | 26.5 | 64.1 | 97.0 | 993.6 | 0.0 |
| | 20:30 | 3 | 3 | 4 | 4 | 3 | 0.6 | 179.0 | 63.8 | 97.0 | 993.6 | 0.0 |
| | 20:45 | 2 | 3 | 4 | 3 | 3 | 0.6 | 161.0 | 63.2 | 97.0 | 993.6 | 0.0 |
| | 21:00 | 2 | 2 | 3 | 3 | 3 | 1.0 | 254.3 | 63.0 | 97.0 | 993.9 | 0.0 |
| | 21:15 | 2 | 3 | 3 | 3 | 4 | 0.8 | 240.3 | 63.3 | 97.0 | 994.1 | 0.0 |
| | 21:30 | 3 | 3 | 4 | 3 | 4 | 0.7 | 65.3 | 63.0 | 97.0 | 994.3 | 0.0 |
| | 21:45 | 2 | 3 | 3 | 4 | 4 | 0.7 | 185.9 | 63.0 | 96.0 | 994.0 | 0.0 |
| | 22:00 | 2 | 3 | 3 | 3 | 4 | 0.6 | 68.4 | 63.0 | 96.0 | 993.7 | 0.0 |
| | 22:15 | 2 | 3 | 4 | 3 | 3 | 0.8 | 40.4 | 63.3 | 94.0 | 993.8 | 0.0 |
| | 22:30 | 2 | 2 | 3 | 3 | 3 | 0.8 | 48.2 | 63.9 | 94.0 | 994.1 | 0.0 |
| | 22:45 | 2 | 2 | 3 | 3 | 3 | 1.1 | 287.4 | 63.9 | 94.0 | 995.0 | 0.0 |
| | 23:00 | 2 | 3 | 3 | 3 | 4 | 1.5 | 102.8 | 63.3 | 95.0 | 994.2 | 0.0 |
| | 23:15 | 3 | 3 | 4 | 5 | 5 | 1.0 | 81.2 | 62.4 | 95.0 | 993.8 | 0.0 |
| | 23:30 | 1 | 2 | 3 | 3 | 3 | 0.8 | 17.6 | 62.5 | 96.0 | 994.0 | 0.0 |
| | 23:45 | 1 | 2 | 2 | 3 | 3 | 0.7 | 358.2 | 62.7 | 97.0 | 994.1 | 0.0 |
| | 00:00 | 2 | 2 | 3 | 3 | 3 | 1.0 | 228.9 | 62.8 | 97.0 | 995.4 | 0.0 |

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Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/27/2023 | 00:15 | 2 | Offline | 3 | Offline | 4 | 4 | 4 | 2.2 | 135.1 | 62.6 | 97.0 | 995.2 | 0.0 |
| | 00:30 | 2 | Offline | 2 | Offline | 4 | 3 | 4 | 1.8 | 15.7 | 62.4 | 97.0 | 995.1 | 0.0 |
| | 00:45 | 2 | Offline | 2 | Offline | 3 | 3 | 3 | 1.8 | 245.1 | 62.4 | 97.0 | 995.3 | 0.0 |
| | 01:00 | 2 | Offline | 2 | Offline | 4 | 3 | 3 | 2.7 | 65.3 | 62.5 | 97.0 | 994.6 | 0.0 |
| | 01:15 | 2 | Offline | 2 | Offline | 3 | 3 | 3 | 2.4 | 97.6 | 62.4 | 95.0 | 994.2 | 0.0 |
| | 01:30 | 1 | Offline | 2 | Offline | 3 | 3 | 3 | 1.9 | 74.9 | 62.1 | 95.0 | 994.5 | 0.0 |
| | 01:45 | 1 | Offline | 1 | Offline | 3 | 2 | 2 | 1.8 | 50.8 | 61.8 | 96.0 | 994.2 | 0.0 |
| | 02:00 | 1 | Offline | 1 | Offline | 3 | 3 | 2 | 2.5 | 53.9 | 61.6 | 96.0 | 994.0 | 0.0 |
| | 02:15 | 1 | Offline | 1 | Offline | 2 | 2 | 2 | 1.8 | 47.9 | 61.6 | 96.0 | 993.8 | 0.0 |
| | 02:30 | 1 | Offline | 2 | Offline | 3 | 2 | 2 | 1.9 | 57.1 | 61.5 | 96.0 | 993.5 | 0.0 |
| | 02:45 | 1 | Offline | 2 | Offline | 3 | 2 | 2 | 1.8 | 51.4 | 61.8 | 95.0 | 993.4 | 0.0 |
| | 03:00 | 1 | Offline | 2 | Offline | 4 | 2 | 2 | 2.2 | 54.0 | 62.0 | 95.0 | 993.7 | 0.0 |
| | 03:15 | 1 | Offline | 1 | Offline | 3 | 2 | 2 | 2.1 | 77.4 | 62.4 | 95.0 | 993.7 | 0.0 |
| | 03:30 | 1 | Offline | 2 | Offline | 4 | 3 | 2 | 1.4 | 105.4 | 62.2 | 96.0 | 993.6 | 0.0 |
| | 03:45 | 2 | Offline | 2 | Offline | 4 | 3 | 3 | 1.4 | 96.0 | 61.9 | 96.0 | 993.4 | 0.0 |
| | 04:00 | 2 | Offline | 2 | Offline | 4 | 3 | 3 | 1.8 | 72.0 | 61.8 | 96.0 | 993.2 | 0.0 |
| | 04:15 | 2 | Offline | 2 | Offline | 4 | 3 | 3 | 2.1 | 73.1 | 61.8 | 96.0 | 993.0 | 0.0 |
| | 04:30 | 2 | Offline | 2 | Offline | 3 | 3 | 3 | 2.0 | 95.5 | 62.0 | 95.0 | 993.0 | 0.0 |
| | 04:45 | 2 | Offline | 2 | Offline | 4 | 3 | 3 | 2.1 | 276.4 | 61.9 | 95.0 | 993.3 | 0.0 |
| | 05:00 | 2 | Offline | 2 | Offline | 4 | 4 | 4 | 2.5 | 253.8 | 62.0 | 95.0 | 993.3 | 0.0 |
| | 05:15 | 3 | Offline | 3 | Offline | 5 | 4 | 4 | 2.3 | 247.2 | 62.2 | 95.0 | 993.3 | 0.0 |
| | 05:30 | 3 | Offline | 3 | Offline | 6 | 4 | 4 | 2.8 | 245.9 | 62.2 | 95.0 | 993.2 | 0.0 |
| | 05:45 | 3 | Offline | 3 | Offline | 5 | 4 | 4 | 2.7 | 234.0 | 62.3 | 96.0 | 993.2 | 0.0 |
| | 06:00 | 3 | Offline | 3 | Offline | 5 | 4 | 5 | 2.4 | 245.3 | 62.2 | 96.0 | 993.2 | 0.0 |
| | 06:15 | 4 | Offline | 3 | Offline | 5 | 5 | 5 | 2.2 | 249.8 | 62.1 | 96.0 | 993.2 | 0.0 |
| | 06:30 | 3 | Offline | 3 | Offline | 5 | 5 | 5 | 2.2 | 236.4 | 62.1 | 97.0 | 993.2 | 0.0 |
| | 06:45 | 4 | Offline | 3 | Offline | 5 | 5 | 5 | 1.9 | 260.2 | 62.1 | 97.0 | 993.4 | 0.0 |
| | 07:00 | 4 | Offline | 4 | Offline | 5 | 5 | 5 | 1.9 | 258.3 | 62.1 | 97.0 | 993.5 | 0.0 |
| | 07:15 | 4 | Offline | 4 | Offline | 5 | 5 | 5 | 2.5 | 240.9 | 62.2 | 97.0 | 993.6 | 0.0 |
| | 07:30 | 3 | Offline | 4 | Offline | 5 | 5 | 5 | 2.7 | 239.0 | 62.4 | 97.0 | 993.6 | 0.0 |
| | 07:45 | 2 | Offline | 2 | Offline | 5 | 4 | 4 | 2.9 | 230.9 | 62.8 | 96.0 | 993.8 | 0.0 |
| | 08:00 | 3 | Offline | 4 | Offline | 3 | 3 | 3 | 1.7 | 232.5 | 63.1 | 96.0 | 993.9 | 0.0 |
| | 08:15 | 2 | Offline | 4 | Offline | 5 | 4 | 4 | 1.6 | 261.8 | 63.4 | 95.0 | 993.9 | 0.0 |
| | 08:30 | 2 | Offline | 4 | Offline | 4 | 4 | 4 | 1.6 | 271.3 | 64.2 | 94.0 | 994.0 | 0.0 |
| | 08:45 | 2 | Offline | 4 | Offline | 4 | 4 | 4 | 1.1 | 290.0 | 65.4 | 92.0 | 994.3 | 0.0 |
| | 09:00 | 1 | Offline | 4 | Offline | 4 | 4 | 4 | 1.1 | 268.1 | 66.7 | 87.0 | 994.5 | 0.0 |
| | 09:15 | 1 | Offline | 4 | Offline | 4 | 4 | 4 | 1.2 | 333.8 | 68.4 | 86.0 | 994.5 | 0.0 |
| | 09:30 | 1 | Offline | 3 | Offline | 4 | 4 | 4 | 1.2 | 328.1 | 70.2 | 84.0 | 994.6 | 0.0 |
| | 09:45 | 2 | Offline | 4 | Offline | 4 | 6 | 7 | 1.6 | 311.5 | 68.7 | 86.0 | 994.7 | 0.0 |
| | 10:00 | 2 | Offline | 4 | Offline | 4 | 4 | 4 | 1.3 | 326.0 | 68.4 | 85.0 | 994.7 | 0.0 |
| | 10:15 | 2 | Offline | 5 | Offline | 5 | 9 | 9 | 1.3 | 348.2 | 68.6 | 85.0 | 994.8 | 0.0 |
| | 10:30 | 5 | Offline | 7 | Offline | 7 | 14 | 14 | 1.8 | 1.9 | 68.4 | 86.0 | 994.7 | 0.0 |
| | 10:45 | 3 | Offline | 4 | Offline | 6 | 16 | 15 | 2.1 | 2.0 | 69.1 | 84.0 | 994.8 | 0.0 |
| | 11:00 | 3 | Offline | 5 | Offline | 5 | 6 | 6 | 1.2 | 4.2 | 69.9 | 83.0 | 994.7 | 0.0 |
| | 11:15 | 3 | Offline | 6 | Offline | 6 | 6 | 6 | 2.3 | 2.4 | 69.3 | 85.0 | 994.7 | 0.0 |
| | 11:30 | 4 | Offline | 7 | Offline | 9 | 7 | 7 | 1.2 | 337.9 | 69.8 | 82.0 | 994.7 | 0.0 |
| | 11:45 | 5 | Offline | 7 | Offline | 7 | 6 | 6 | 2.2 | 4.1 | 70.0 | 84.0 | 994.6 | 0.0 |
| | 12:00 | 4 | Offline | 7 | Offline | 7 | 7 | 7 | 1.6 | 344.5 | 70.1 | 81.0 | 994.4 | 0.0 |
| | 12:15 | 4 | Offline | 6 | Offline | 8 | 7 | 7 | 2.3 | 27.6 | 70.3 | 82.0 | 994.3 | 0.0 |
| | 12:30 | 5 | Offline | 8 | Offline | 7 | 8 | 8 | 2.1 | 35.8 | 70.4 | 82.0 | 994.2 | 0.0 |
| | 12:45 | 5 | Offline | 7 | Offline | 7 | 7 | 7 | 2.4 | 38.7 | 70.5 | 82.0 | 994.1 | 0.0 |
| | 13:00 | 6 | Offline | 7 | Offline | 8 | 7 | 8 | 3.0 | 49.2 | 70.2 | 81.0 | 993.9 | 0.0 |
| | 13:15 | 6 | Offline | 8 | Offline | 8 | 8 | 8 | 2.1 | 21.8 | 70.8 | 80.0 | 993.7 | 0.0 |
| | 13:30 | 5 | Offline | 8 | Offline | 9 | 8 | 8 | 2.1 | 356.5 | 72.5 | 78.0 | 993.5 | 0.0 |
| | 13:45 | 6 | Offline | 7 | Offline | 9 | 11 | 12 | 2.5 | 26.9 | 71.8 | 79.0 | 993.3 | 0.0 |
| | 14:00 | 6 | Offline | 8 | Offline | 9 | 9 | 9 | 2.4 | 24.5 | 71.4 | 79.0 | 993.2 | 0.0 |
| | 14:15 | 6 | Offline | 9 | Offline | 8 | 9 | 8 | 2.6 | 39.3 | 72.2 | 75.0 | 993.1 | 0.0 |
| | 14:30 | 5 | Offline | 7 | Offline | 9 | 9 | 7 | 2.5 | 26.0 | 73.4 | 75.0 | 992.9 | 0.0 |
| | 14:45 | 6 | Offline | 7 | Offline | 9 | 9 | 9 | 1.7 | 360.0 | 75.9 | 70.0 | 992.7 | 0.0 |
| | 15:00 | 5 | Offline | 7 | Offline | 8 | 8 | 8 | 2.4 | 43.0 | 74.9 | 72.0 | 992.6 | 0.0 |
| | 15:15 | 6 | Offline | 7 | Offline | 7 | 8 | 7 | 2.2 | 76.5 | 75.1 | 68.0 | 992.5 | 0.0 |
| | 15:30 | 5 | Offline | 6 | Offline | 7 | 7 | 7 | 1.7 | 181.8 | 76.1 | 66.0 | 992.5 | 0.0 |
| | 15:45 | 4 | Offline | 6 | Offline | 6 | 8 | 9 | 1.4 | 351.4 | 76.9 | 65.0 | 992.4 | 0.0 |
| | 16:00 | 4 | Offline | 6 | Offline | 7 | 7 | 7 | 1.7 | 3.2 | 77.4 | 64.0 | 992.3 | 0.0 |
| | 16:15 | 4 | Offline | 6 | Offline | 6 | 8 | 8 | 1.8 | 211.8 | 77.2 | 66.0 | 992.3 | 0.0 |
| | 16:30 | 5 | Offline | 7 | Offline | 7 | 6 | 7 | 1.5 | 205.0 | 76.6 | 66.0 | 992.4 | 0.0 |
| | 16:45 | 4 | Offline | 8 | Offline | 8 | 6 | 5 | 1.4 | 217.2 | 78.1 | 65.0 | 992.4 | 0.0 |
| | 17:00 | 6 | Offline | 6 | Offline | 7 | 6 | 6 | 1.4 | 36.8 | 77.3 | 64.0 | 992.3 | 0.0 |
| | 17:15 | 5 | Offline | 7 | Offline | 7 | 6 | 5 | 1.5 | 4.2 | 76.5 | 70.0 | 992.3 | 0.0 |
| | 17:30 | 4 | Offline | 5 | Offline | 10 | 6 | 6 | 0.7 | 210.5 | 75.8 | 71.0 | 992.3 | 0.0 |
| | 17:45 | 3 | Offline | 7 | Offline | 6 | 5 | 5 | 0.6 | 214.8 | 75.6 | 74.0 | 992.4 | 0.0 |
| | 18:00 | 3 | Offline | 7 | Offline | 8 | 4 | 5 | 0.8 | 197.7 | 72.9 | 77.0 | 992.4 | 0.0 |
| | 18:15 | 3 | Offline | 6 | Offline | 6 | 5 | 5 | 0.7 | 206.9 | 71.8 | 78.0 | 992.4 | 0.0 |
| | 18:30 | 4 | Offline | 11 | Offline | 7 | 6 | 6 | 0.7 | 234.3 | 70.7 | 82.0 | 992.5 | 0.0 |
| | 18:45 | 4 | Offline | 6 | Offline | 7 | 7 | 6 | 0.6 | 227.9 | 69.6 | 85.0 | 992.4 | 0.0 |
| | 19:00 | 4 | Offline | 7 | Offline | 6 | 5 | 5 | 0.6 | 92.0 | 68.4 | 86.0 | 992.4 | 0.0 |
| | 19:15 | 5 | Offline | 7 | Offline | 9 | 5 | 5 | 0.9 | 313.7 | 67.6 | 88.0 | 992.5 | 0.0 |
| | 19:30 | 5 | Offline | 6 | Offline | 7 | 6 | 6 | 0.8 | 300.1 | 67.1 | 90.0 | 992.6 | 0.0 |
| | 19:45 | 4 | Offline | 6 | Offline | 7 | 6 | 7 | 0.6 | 127.1 | 66.6 | 90.0 | 992.7 | 0.0 |
| | 20:00 | 5 | Offline | 8 | Offline | 11 | 6 | 7 | 0.5 | 341.5 | 65.9 | 92.0 | 992.8 | 0.0 |
| | 20:15 | 7 | Offline | 7 | Offline | 9 | 8 | 8 | 0.6 | 359.4 | 65.4 | 92.0 | 992.8 | 0.0 |
| | 20:30 | 7 | Offline | 7 | Offline | 9 | 7 | 7 | 0.7 | 323.1 | 64.9 | 93.0 | 992.9 | 0.0 |
| | 20:45 | 6 | Offline | 7 | Offline | 9 | 7 | 7 | 0.9 | 32.9 | 64.3 | 94.0 | 993.0 | 0.0 |
| | 21:00 | 5 | Offline | 6 | Offline | 7 | 8 | 8 | 0.6 | 350.7 | 64.2 | 96.0 | 993.1 | 0.0 |
| | 21:15 | 4 | Offline | 6 | Offline | 7 | 6 | 6 | 0.8 | 345.3 | 64.0 | 96.0 | 993.1 | 0.0 |
| | 21:30 | 5 | Offline | 5 | Offline | 6 | 6 | 6 | 0.5 | 344.6 | 64.0 | 96.0 | 993.1 | 0.0 |
| | 21:45 | 5 | Offline | 6 | Offline | 7 | 7 | 7 | 0.8 | 11.2 | 63.9 | 96.0 | 993.2 | 0.0 |
| | 22:00 | 5 | Offline | 6 | Offline | 7 | 6 | 6 | 0.7 | 316.3 | 63.8 | 97.0 | 993.2 | 0.0 |
| | 22:15 | 7 | Offline | 7 | Offline | 7 | 7 | 7 | 0.5 | 277.1 | 63.7 | 97.0 | 993.2 | 0.0 |
| | 22:30 | 5 | Offline | 7 | Offline | 11 | 7 | 8 | 0.9 | 29.0 | 63.3 | 97.0 | 993.2 | 0.0 |
| | 22:45 | 5 | Offline | 6 | Offline | 8 | 8 | 8 | 0.9 | 290.5 | 63.1 | 98.0 | 993.2 | 0.0 |
| | 23:00 | 6 | Offline | 6 | Offline | 9 | 8 | 8 | 1.0 | 323.7 | 63.2 | 97.0 | 993.2 | 0.0 |
| | 23:15 | 6 | Offline | 6 | Offline | 7 | 7 | 7 | 1.0 | 296.6 | 62.8 | 97.0 | 993.2 | 0.0 |
| | 23:30 | 6 | Offline | 6 | Offline | 8 | 7 | 8 | 0.8 | 317.7 | 62.5 | 97.0 | 993.1 | 0.0 |
| | 23:45 | 4 | Offline | 5 | Offline | 6 | 5 | 5 | 1.0 | 331.5 | 62.2 | 98.0 | 993.1 | 0.0 |
| | 00:00 | 5 | Offline | 5 | Offline | 6 | 6 | 6 | 0.9 | 317.2 | 62.2 | 98.0 | 993.0 | 0.0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/28/2023 | 00:15 | 5 | Offline | 6 | Offline | 7 | 6 | 7 | 0.9 | 320.0 | 62.0 | 98.0 | 993.0 | 0.0 |
| | 00:30 | 7 | Offline | 7 | Offline | 8 | 7 | 7 | 0.6 | 346.0 | 61.7 | 98.0 | 993.0 | 0.0 |
| | 00:45 | 7 | Offline | 8 | Offline | 10 | 8 | 9 | 0.8 | 9.4 | 61.3 | 97.0 | 993.0 | 0.0 |
| | 01:00 | 7 | Offline | 7 | Offline | 9 | 9 | 9 | 1.0 | 332.3 | 60.9 | 98.0 | 993.0 | 0.0 |
| | 01:15 | 6 | Offline | 8 | Offline | 8 | 8 | 9 | 1.0 | 332.6 | 60.7 | 98.0 | 993.2 | 0.0 |
| | 01:30 | 7 | Offline | 9 | Offline | 10 | 9 | 10 | 1.0 | 326.3 | 60.4 | 97.0 | 993.3 | 0.0 |
| | 01:45 | 8 | Offline | 8 | Offline | 10 | 8 | 10 | 0.9 | 350.3 | 60.0 | 97.0 | 993.4 | 0.0 |
| | 02:00 | 7 | Offline | 9 | Offline | 10 | 9 | 10 | 0.8 | 333.5 | 59.6 | 98.0 | 993.4 | 0.0 |
| | 02:15 | 8 | Offline | 9 | Offline | 11 | 10 | 10 | 1.3 | 310.0 | 59.5 | 98.0 | 993.4 | 0.0 |
| | 02:30 | 9 | Offline | 9 | Offline | 11 | 9 | 10 | 1.4 | 298.0 | 59.4 | 98.0 | 993.4 | 0.0 |
| | 02:45 | 9 | Offline | 10 | Offline | 11 | 10 | 11 | 1.1 | 327.3 | 59.0 | 98.0 | 993.5 | 0.0 |
| | 03:00 | 8 | Offline | 9 | Offline | 12 | 9 | 11 | 1.0 | 357.7 | 58.9 | 98.0 | 993.7 | 0.0 |
| | 03:15 | 12 | Offline | 12 | Offline | 17 | 14 | 15 | 1.1 | 39.3 | 58.8 | 98.0 | 993.7 | 0.0 |
| | 03:30 | 8 | Offline | 9 | Offline | 12 | 13 | 14 | 1.1 | 10.0 | 58.4 | 98.0 | 993.8 | 0.0 |
| | 03:45 | 7 | Offline | 8 | Offline | 10 | 9 | 10 | 0.7 | 33.2 | 58.4 | 99.0 | 993.9 | 0.0 |
| | 04:00 | 6 | Offline | 8 | Offline | 9 | 8 | 9 | 0.8 | 317.6 | 58.7 | 99.0 | 994.0 | 0.0 |
| | 04:15 | 7 | Offline | 8 | Offline | 9 | 8 | 9 | 0.6 | 14.9 | 58.5 | 99.0 | 994.1 | 0.0 |
| | 04:30 | 5 | Offline | 8 | Offline | 9 | 7 | 8 | 1.2 | 19.0 | 58.3 | 99.0 | 994.1 | 0.0 |
| | 04:45 | 6 | Offline | 5 | Offline | 7 | 6 | 7 | 1.2 | 27.3 | 58.1 | 99.0 | 994.1 | 0.0 |
| | 05:00 | 3 | Offline | 4 | Offline | 4 | 4 | 5 | 1.1 | 335.0 | 57.9 | 99.0 | 994.2 | 0.0 |
| | 05:15 | 4 | Offline | 6 | Offline | 5 | 5 | 5 | 1.3 | 339.7 | 57.9 | 99.0 | 994.2 | 0.0 |
| | 05:30 | 3 | Offline | 5 | Offline | 6 | 5 | 6 | 1.3 | 347.8 | 57.9 | 99.0 | 994.2 | 0.0 |
| | 05:45 | 2 | Offline | 4 | Offline | 5 | 4 | 5 | 1.4 | 348.1 | 57.1 | 98.0 | 994.3 | 0.0 |
| | 06:00 | 1 | Offline | 3 | Offline | 4 | 3 | 3 | 1.0 | 339.3 | 56.4 | 99.0 | 994.4 | 0.0 |
| | 06:15 | 0 | Offline | 2 | Offline | 3 | 2 | 2 | 1.3 | 346.5 | 56.3 | 99.0 | 994.6 | 0.0 |
| | 06:30 | 0 | Offline | 2 | Offline | 3 | 2 | 2 | 1.3 | 338.9 | 56.3 | 99.0 | 994.8 | 0.0 |
| | 06:45 | 0 | Offline | 2 | Offline | 2 | 2 | 2 | 1.8 | 342.9 | 56.3 | 99.0 | 995.0 | 0.0 |
| | 07:00 | 0 | Offline | 2 | Offline | 2 | 2 | 2 | 1.9 | 348.7 | 56.4 | 100.0 | 995.1 | 0.0 |
| | 07:15 | 0 | Offline | 1 | Offline | 2 | 1 | 1 | 2.2 | 355.4 | 56.9 | 100.0 | 995.1 | 0.0 |
| | 07:30 | 0 | Offline | 1 | Offline | 1 | 1 | 1 | 2.5 | 0.6 | 57.2 | 100.0 | 995.1 | 0.0 |
| | 07:45 | 0 | Offline | 1 | Offline | 2 | 1 | 1 | 2.4 | 2.8 | 57.7 | 100.0 | 995.2 | 0.0 |
| | 08:00 | 1 | Offline | 1 | Offline | 1 | 1 | 1 | 1.4 | 2.4 | 58.7 | 100.0 | 995.1 | 0.0 |
| | 08:15 | 1 | Offline | 2 | Offline | 2 | 2 | 2 | 1.5 | 352.8 | 59.5 | 100.0 | 995.1 | 0.0 |
| | 08:30 | 2 | Offline | 3 | Offline | 5 | 4 | 4 | 1.3 | 339.0 | 59.9 | 100.0 | 995.3 | 0.0 |
| | 08:45 | 3 | Offline | 5 | Offline | 5 | 5 | 5 | 1.7 | 11.5 | 60.5 | 100.0 | 995.3 | 0.0 |
| | 09:00 | 5 | Offline | 7 | Offline | 6 | 7 | 8 | 1.6 | 25.4 | 61.0 | 100.0 | 995.4 | 0.0 |
| | 09:15 | 7 | Offline | 8 | Offline | 8 | 8 | 8 | 1.9 | 25.0 | 61.7 | 99.0 | 995.5 | 0.0 |
| | 09:30 | 8 | Offline | 10 | Offline | 10 | 10 | 10 | 1.8 | 34.0 | 62.4 | 98.0 | 995.7 | 0.0 |
| | 09:45 | 8 | Offline | 8 | Offline | 8 | 8 | 8 | 1.4 | 88.3 | 63.3 | 96.0 | 995.8 | 0.0 |
| | 10:00 | 7 | Offline | 8 | Offline | 8 | 7 | 7 | 1.2 | 134.9 | 63.5 | 96.0 | 995.9 | 0.0 |
| | 10:15 | 7 | Offline | 8 | Offline | 8 | 7 | 8 | 1.1 | 98.0 | 63.5 | 96.0 | 995.9 | 0.0 |
| | 10:30 | 7 | Offline | 8 | Offline | 8 | 7 | 8 | 1.4 | 47.1 | 64.1 | 95.0 | 995.9 | 0.0 |
| | 10:45 | 7 | Offline | 9 | Offline | 8 | 8 | 8 | 3.1 | 28.4 | 64.5 | 94.0 | 995.9 | 0.0 |
| | 11:00 | 18 | Offline | 22 | Offline | 22 | 21 | 21 | 3.0 | 36.7 | 64.6 | 94.0 | 995.8 | 0.0 |
| | 11:15 | 31 | Offline | 30 | Offline | 31 | 27 | 31 | 4.0 | 69.2 | 65.0 | 92.0 | 995.8 | 0.0 |
| | 11:30 | 23 | Offline | 25 | Offline | 25 | 24 | 26 | 3.0 | 71.5 | 66.5 | 87.0 | 995.8 | 0.0 |
| | 11:45 | 14 | Offline | 14 | Offline | 15 | 15 | 16 | 3.4 | 57.8 | 68.2 | 82.0 | 995.6 | 0.0 |
| | 12:00 | 11 | Offline | 12 | Offline | 12 | 12 | 13 | 2.3 | 57.3 | 69.0 | 80.0 | 995.5 | 0.0 |
| | 12:15 | 11 | Offline | 11 | Offline | 11 | 13 | 13 | 2.8 | 44.7 | 70.3 | 77.0 | 995.4 | 0.0 |
| | 12:30 | 11 | Offline | 10 | Offline | 10 | 10 | 10 | 1.7 | 30.8 | 72.3 | 73.0 | 995.3 | 0.0 |
| | 12:45 | 11 | Offline | 10 | Offline | 11 | 11 | 10 | 2.1 | 50.8 | 71.8 | 72.0 | 995.2 | 0.0 |
| | 13:00 | 11 | Offline | 10 | Offline | 11 | 11 | 11 | 2.8 | 30.0 | 73.8 | 67.0 | 995.0 | 0.0 |
| | 13:15 | 16 | Offline | 10 | Offline | 11 | 11 | 12 | 2.4 | 24.8 | 74.7 | 65.0 | 994.8 | 0.0 |
| | 13:30 | 9 | Offline | 9 | Offline | 11 | 12 | 12 | 2.6 | 16.6 | 75.5 | 63.0 | 994.6 | 0.0 |
| | 13:45 | 8 | Offline | 8 | Offline | 10 | 9 | 9 | 2.8 | 12.5 | 76.6 | 61.0 | 994.4 | 0.0 |
| | 14:00 | 8 | Offline | 8 | Offline | 9 | 9 | 9 | 2.5 | 18.5 | 76.2 | 61.0 | 994.3 | 0.0 |
| | 14:15 | 7 | Offline | 7 | Offline | 8 | 8 | 8 | 2.1 | 21.4 | 78.4 | 54.0 | 994.2 | 0.0 |
| | 14:30 | 6 | Offline | 6 | Offline | 7 | 10 | 9 | 2.3 | 12.0 | 76.6 | 58.0 | 994.2 | 0.0 |
| | 14:45 | 5 | Offline | 6 | Offline | 6 | 15 | 15 | 1.7 | 345.0 | 78.7 | 53.0 | 994.1 | 0.0 |
| | 15:00 | 5 | Offline | 6 | Offline | 7 | 16 | 16 | 1.9 | 347.6 | 79.4 | 54.0 | 993.9 | 0.0 |
| | 15:15 | 6 | Offline | 7 | Offline | 7 | 35 | 35 | 3.0 | 38.8 | 78.0 | 57.0 | 993.7 | 0.0 |
| | 15:30 | 8 | 8 | 7 | Offline | 7 | 8 | 8 | 2.7 | 22.5 | 77.3 | 54.0 | 993.7 | 0.0 |
| | 15:45 | 14 | 10 | 8 | Offline | 8 | 9 | 9 | 2.1 | 14.5 | 78.0 | 54.0 | 993.7 | 0.0 |
| | 16:00 | 11 | 8 | 7 | Offline | 7 | 13 | 13 | 2.2 | 22.6 | 77.8 | 55.0 | 993.6 | 0.0 |
| | 16:15 | 7 | 8 | 7 | 8 | 7 | 9 | 9 | 1.7 | 341.5 | 76.8 | 54.0 | 993.6 | 0.0 |
| | 16:30 | 7 | 8 | 7 | 9 | 8 | 9 | 9 | 2.7 | 37.4 | 77.5 | 54.0 | 993.6 | 0.0 |
| | 16:45 | 7 | 6 | 5 | 7 | 8 | 9 | 8 | 3.0 | 34.6 | 76.9 | 53.0 | 993.6 | 0.0 |
| | 17:00 | 4 | 6 | 5 | 6 | 4 | 5 | 5 | 3.3 | 33.4 | 76.3 | 57.0 | 993.8 | 0.0 |
| | 17:15 | 6 | 7 | 5 | 6 | 6 | 7 | 6 | 2.6 | 55.8 | 75.2 | 55.0 | 993.9 | 0.0 |
| | 17:30 | 6 | 8 | 5 | 7 | 7 | 7 | 7 | 2.8 | 41.0 | 75.3 | 57.0 | 993.9 | 0.0 |
| | 17:45 | 7 | 8 | 6 | 7 | 8 | 7 | 7 | 3.5 | 62.2 | 74.3 | 59.0 | 993.9 | 0.0 |
| | 18:00 | 6 | 8 | 5 | 6 | 6 | 7 | 7 | 2.7 | 46.3 | 73.2 | 62.0 | 993.9 | 0.0 |
| | 18:15 | 6 | 8 | 6 | 7 | 7 | 7 | 7 | 2.2 | 44.5 | 72.4 | 64.0 | 994.0 | 0.0 |
| | 18:30 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 1.9 | 47.8 | 71.5 | 66.0 | 994.1 | 0.0 |
| | 18:45 | 9 | 10 | 9 | 10 | 9 | 8 | 9 | 2.1 | 39.8 | 70.5 | 67.0 | 994.2 | 0.0 |
| | 19:00 | 10 | 10 | 9 | 11 | 9 | 8 | 8 | 2.4 | 33.0 | 69.8 | 67.0 | 994.2 | 0.0 |
| | 19:15 | 9 | 9 | 8 | 9 | 9 | 8 | 8 | 2.4 | 33.1 | 69.2 | 69.0 | 994.3 | 0.0 |
| | 19:30 | 8 | 8 | 7 | 9 | 8 | 7 | 7 | 2.7 | 41.6 | 68.5 | 70.0 | 994.3 | 0.0 |
| | 19:45 | 7 | 8 | 7 | 8 | 8 | 7 | 7 | 1.8 | 28.2 | 67.6 | 71.0 | 994.4 | 0.0 |
| | 20:00 | 7 | 8 | 7 | 8 | 10 | 8 | 8 | 1.7 | 24.4 | 67.3 | 71.0 | 994.5 | 0.0 |
| | 20:15 | 6 | 8 | 5 | 6 | 7 | 6 | 7 | 1.6 | 47.9 | 66.6 | 73.0 | 994.6 | 0.0 |
| | 20:30 | 5 | 7 | 5 | 6 | 6 | 6 | 6 | 0.8 | 64.7 | 66.0 | 75.0 | 994.7 | 0.0 |
| | 20:45 | 6 | 8 | 6 | 7 | 8 | 6 | 7 | 1.0 | 31.3 | 65.0 | 78.0 | 994.8 | 0.0 |
| | 21:00 | 6 | 7 | 5 | 7 | 7 | 6 | 6 | 1.0 | 36.0 | 64.2 | 78.0 | 994.9 | 0.0 |
| | 21:15 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 1.4 | 37.7 | 64.5 | 77.0 | 994.9 | 0.0 |
| | 21:30 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.1 | 46.2 | 64.4 | 78.0 | 995.0 | 0.0 |
| | 21:45 | 3 | 5 | 3 | 4 | 4 | 3 | 3 | 1.1 | 69.1 | 64.1 | 78.0 | 995.0 | 0.0 |
| | 22:00 | 3 | 5 | 2 | 3 | 4 | 3 | 3 | 1.0 | 67.2 | 63.9 | 78.0 | 995.1 | 0.0 |
| | 22:15 | 3 | 5 | 2 | 3 | 4 | 3 | 3 | 0.7 | 49.6 | 63.4 | 80.0 | 995.2 | 0.0 |
| | 22:30 | 3 | 5 | 2 | 3 | 6 | 3 | 4 | 0.8 | 46.6 | 63.1 | 80.0 | 995.3 | 0.0 |
| | 22:45 | 3 | 5 | 2 | 3 | 6 | 3 | 3 | 0.6 | 33.3 | 62.6 | 82.0 | 995.4 | 0.0 |
| | 23:00 | 3 | 5 | 2 | 3 | 5 | 4 | 4 | 1.0 | 58.4 | 62.0 | 83.0 | 995.3 | 0.0 |
| | 23:15 | 3 | 5 | 3 | 4 | 5 | 3 | 3 | 0.9 | 64.0 | 61.5 | 84.0 | 995.3 | 0.0 |
| | 23:30 | 3 | 5 | 2 | 4 | 4 | 2 | 3 | 0.8 | 70.6 | 61.2 | 84.0 | 995.2 | 0.0 |
| | 23:45 | 3 | 5 | 2 | 4 | 5 | 2 | 3 | 0.9 | 46.1 | 60.8 | 85.0 | 995.2 | 0.0 |
| | 00:00 | 3 | 5 | 2 | 4 | 4 | 3 | 3 | 1.1 | 46.8 | 60.5 | 86.0 | 995.1 | 0.0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/29/2023 | 00:15 | 2 | 5 | 3 | 4 | 4 | 3 | 3 | 1.0 | 33.6 | 60.4 | 86.0 | 995.1 | 0.0 |
| | 00:30 | 2 | 5 | 3 | 4 | 4 | 3 | 3 | 1.1 | 39.4 | 60.3 | 86.0 | 995.1 | 0.0 |
| | 00:45 | 2 | 5 | 3 | 4 | 4 | 3 | 3 | 1.1 | 26.5 | 60.2 | 87.0 | 995.1 | 0.0 |
| | 01:00 | 2 | 5 | 3 | 4 | 4 | 3 | 3 | 1.2 | 19.3 | 59.8 | 88.0 | 995.1 | 0.0 |
| | 01:15 | 2 | 5 | 3 | 5 | 3 | 3 | 3 | 1.3 | 30.3 | 59.7 | 88.0 | 995.2 | 0.0 |
| | 01:30 | 3 | 5 | 3 | 5 | 4 | 3 | 4 | 1.2 | 20.5 | 59.6 | 90.0 | 995.3 | 0.0 |
| | 01:45 | 3 | 5 | 4 | 5 | 4 | 3 | 4 | 1.4 | 33.9 | 59.3 | 91.0 | 995.4 | 0.0 |
| | 02:00 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | 1.4 | 35.5 | 59.1 | 91.0 | 995.3 | 0.0 |
| | 02:15 | 3 | 5 | 4 | 5 | 5 | 4 | 4 | 1.1 | 42.3 | 58.9 | 92.0 | 995.4 | 0.0 |
| | 02:30 | 3 | 5 | 4 | 5 | 5 | 4 | 4 | 1.4 | 40.8 | 58.4 | 94.0 | 995.3 | 0.0 |
| | 02:45 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | 1.0 | 44.9 | 58.0 | 94.0 | 995.3 | 0.0 |
| | 03:00 | 3 | 5 | 4 | 6 | 5 | 4 | 4 | 1.1 | 47.4 | 57.8 | 95.0 | 995.3 | 0.0 |
| | 03:15 | 3 | 5 | 4 | 6 | 5 | 4 | 4 | 1.0 | 24.4 | 57.5 | 95.0 | 995.3 | 0.0 |
| | 03:30 | 4 | 5 | 4 | 6 | 5 | 4 | 5 | 1.0 | 23.7 | 57.4 | 96.0 | 995.2 | 0.0 |
| | 03:45 | 4 | 5 | 5 | 7 | 5 | 5 | 5 | 1.0 | 2.9 | 57.2 | 96.0 | 995.3 | 0.0 |
| | 04:00 | 3 | 5 | 4 | 6 | 5 | 4 | 5 | 0.9 | 1.8 | 56.9 | 96.0 | 995.4 | 0.0 |
| | 04:15 | 4 | 5 | 5 | 6 | 5 | 4 | 5 | 1.2 | 25.0 | 56.9 | 97.0 | 995.4 | 0.0 |
| | 04:30 | 4 | 5 | 5 | 7 | 5 | 5 | 5 | 1.2 | 12.6 | 56.9 | 97.0 | 995.5 | 0.0 |
| | 04:45 | 4 | 5 | 5 | 7 | 6 | 5 | 5 | 0.9 | 17.4 | 56.9 | 97.0 | 995.6 | 0.0 |
| | 05:00 | 4 | 5 | 5 | 7 | 6 | 5 | 6 | 0.7 | 23.5 | 56.8 | 97.0 | 995.7 | 0.0 |
| | 05:15 | 4 | 5 | 5 | 7 | 6 | 5 | 6 | 0.8 | 19.6 | 56.7 | 97.0 | 995.8 | 0.0 |
| | 05:30 | 4 | 5 | 6 | 7 | 6 | 5 | 6 | 1.0 | 20.2 | 56.6 | 97.0 | 996.0 | 0.0 |
| | 05:45 | 5 | 5 | 5 | 7 | 6 | 5 | 6 | 0.9 | 19.5 | 56.5 | 97.0 | 996.1 | 0.0 |
| | 06:00 | 5 | 6 | 6 | 7 | 6 | 6 | 6 | 1.2 | 36.3 | 56.3 | 98.0 | 996.2 | 0.0 |
| | 06:15 | 5 | 6 | 6 | 9 | 7 | 6 | 7 | 1.3 | 47.9 | 56.2 | 98.0 | 996.2 | 0.0 |
| | 06:30 | 6 | 6 | 7 | 9 | 7 | 6 | 7 | 1.5 | 47.4 | 56.2 | 98.0 | 996.2 | 0.0 |
| | 06:45 | 6 | 7 | 7 | 9 | 7 | 6 | 7 | 1.7 | 50.8 | 56.3 | 98.0 | 996.3 | 0.0 |
| | 07:00 | 6 | 7 | 7 | 10 | 8 | 7 | 7 | 1.7 | 50.3 | 56.5 | 98.0 | 996.5 | 0.0 |
| | 07:15 | 7 | 7 | 7 | 10 | 8 | 7 | 8 | 2.3 | 48.6 | 57.1 | 97.0 | 996.5 | 0.0 |
| | 07:30 | 6 | 8 | 7 | 8 | 7 | 7 | 7 | 3.4 | 57.1 | 58.4 | 95.0 | 996.6 | 0.0 |
| | 07:45 | 2 | 5 | 5 | 7 | 7 | 6 | 7 | 3.8 | 57.4 | 59.5 | 94.0 | 996.6 | 0.0 |
| | 08:00 | 3 | 8 | 6 | 5 | 4 | 4 | 5 | 3.9 | 60.2 | 60.8 | 92.0 | 996.7 | 0.0 |
| | 08:15 | 4 | 8 | 6 | 7 | 6 | 5 | 5 | 3.7 | 60.4 | 62.3 | 89.0 | 996.7 | 0.0 |
| | 08:30 | 3 | 7 | 6 | 7 | 6 | 6 | 6 | 2.5 | 69.4 | 63.9 | 87.0 | 996.8 | 0.0 |
| | 08:45 | 3 | 7 | 6 | 8 | 6 | 5 | 5 | 2.6 | 106.3 | 64.7 | 85.0 | 996.9 | 0.0 |
| | 09:00 | 3 | 7 | 5 | 7 | 6 | 4 | 5 | 3.3 | 75.4 | 65.9 | 85.0 | 997.0 | 0.0 |
| | 09:15 | 3 | 8 | 6 | 7 | 6 | 5 | 6 | 2.6 | 100.9 | 67.6 | 80.0 | 997.0 | 0.0 |
| | 09:30 | 3 | 7 | 6 | 7 | 5 | 5 | 5 | 2.8 | 111.5 | 69.4 | 77.0 | 997.0 | 0.0 |
| | 09:45 | 2 | 7 | 5 | 7 | 5 | 5 | 5 | 3.1 | 85.2 | 70.5 | 76.0 | 997.0 | 0.0 |
| | 10:00 | 2 | 7 | 5 | 7 | 5 | 6 | 6 | 2.2 | 104.7 | 71.1 | 74.0 | 997.1 | 0.0 |
| | 10:15 | 3 | 6 | 5 | 7 | 4 | 5 | 5 | 2.3 | 109.5 | 72.8 | 70.0 | 997.0 | 0.0 |
| | 10:30 | 2 | 6 | 5 | 6 | 5 | 5 | 5 | 2.2 | 104.7 | 73.0 | 69.0 | 997.0 | 0.0 |
| | 10:45 | 3 | 6 | 4 | 6 | 4 | 5 | 5 | 2.5 | 61.1 | 74.1 | 67.0 | 996.9 | 0.0 |
| | 11:00 | 3 | 6 | 5 | 6 | 4 | 4 | 4 | 1.9 | 104.7 | 75.6 | 62.0 | 996.9 | 0.0 |
| | 11:15 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 2.5 | 67.4 | 76.6 | 60.0 | 996.9 | 0.0 |
| | 11:30 | 3 | 5 | 4 | 6 | 4 | 4 | 4 | 2.7 | 73.7 | 78.2 | 57.0 | 996.7 | 0.0 |
| | 11:45 | 1 | 5 | 4 | 5 | 4 | 4 | 4 | 3.4 | 67.3 | 79.3 | 56.0 | 996.6 | 0.0 |
| | 12:00 | 1 | 5 | 4 | 5 | 4 | 4 | 4 | 3.1 | 213.2 | 79.8 | 53.0 | 996.5 | 0.0 |
| | 12:15 | 1 | 5 | 4 | 5 | 5 | 4 | 4 | 3.0 | 143.6 | 80.6 | 51.0 | 996.4 | 0.0 |
| | 12:30 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 3.0 | 226.7 | 81.0 | 50.0 | 996.2 | 0.0 |
| | 12:45 | 4 | 6 | 4 | 4 | 3 | 4 | 4 | 2.3 | 172.8 | 82.0 | 47.0 | 996.1 | 0.0 |
| | 13:00 | 1 | 4 | 4 | 4 | 4 | 4 | 3 | 2.3 | 52.5 | 82.8 | 49.0 | 996.0 | 0.0 |
| | 13:15 | 0 | 4 | 4 | 5 | 3 | 5 | 5 | 2.5 | 50.7 | 83.0 | 44.0 | 995.8 | 0.0 |
| | 13:30 | 3 | 4 | 3 | 4 | 4 | 4 | 3 | 2.7 | 245.2 | 83.7 | 44.0 | 995.6 | 0.0 |
| | 13:45 | 0 | 5 | 4 | 5 | 6 | 21 | 20 | 1.7 | 153.9 | 84.5 | 40.0 | 995.5 | 0.0 |
| | 14:00 | 0 | 4 | 3 | 4 | 2 | 4 | 4 | 1.8 | 323.5 | 85.2 | 39.0 | 995.3 | 0.0 |
| | 14:15 | 0 | 3 | 3 | 4 | 2 | 3 | 3 | 2.2 | 261.0 | 86.4 | 42.0 | 995.3 | 0.0 |
| | 14:30 | 0 | 6 | 5 | 7 | 4 | 12 | 12 | 2.7 | 242.9 | 85.8 | 42.0 | 995.2 | 0.0 |
| | 14:45 | 9 | 5 | 4 | 6 | 2 | 4 | 3 | 2.3 | 334.5 | 86.6 | 38.0 | 995.1 | 0.0 |
| | 15:00 | 2 | 4 | 4 | 5 | 2 | 4 | 4 | 2.1 | 34.5 | 86.0 | 43.0 | 995.1 | 0.0 |
| | 15:15 | 0 | 4 | 3 | 4 | 2 | 4 | 3 | 2.0 | 11.7 | 85.9 | 40.0 | 995.0 | 0.0 |
| | 15:30 | 0 | 4 | 3 | 5 | 2 | 5 | 5 | 1.6 | 251.0 | 87.4 | 38.0 | 995.0 | 0.0 |
| | 15:45 | 3 | 4 | 4 | 5 | 2 | 5 | 6 | 1.7 | 347.7 | 87.7 | 38.0 | 995.0 | 0.0 |
| | 16:00 | 2 | 4 | 3 | 4 | 2 | 4 | 4 | 1.8 | 299.3 | 87.6 | 39.0 | 995.1 | 0.0 |
| | 16:15 | 1 | 4 | 4 | 5 | 3 | 4 | 3 | 1.9 | 17.8 | 87.8 | 37.0 | 995.0 | 0.0 |
| | 16:30 | 0 | 4 | 3 | 4 | 3 | 4 | 3 | 1.7 | 250.0 | 87.5 | 36.0 | 995.0 | 0.0 |
| | 16:45 | 2 | 4 | 4 | 6 | 2 | 4 | 3 | 2.1 | 68.8 | 87.1 | 37.0 | 995.0 | 0.0 |
| | 17:00 | 1 | 4 | 4 | 5 | 3 | 3 | 3 | 1.3 | 131.3 | 86.0 | 41.0 | 995.0 | 0.0 |
| | 17:15 | 1 | 5 | 4 | 6 | 3 | 4 | 4 | 1.6 | 30.6 | 85.6 | 40.0 | 995.1 | 0.0 |
| | 17:30 | 0 | 5 | 4 | 4 | 3 | 4 | 3 | 1.0 | 165.0 | 83.9 | 44.0 | 995.2 | 0.0 |
| | 17:45 | 1 | 5 | 6 | 9 | 3 | 4 | 3 | 0.8 | 297.9 | 83.0 | 50.0 | 995.2 | 0.0 |
| | 18:00 | 2 | 6 | 5 | 6 | 3 | 4 | 3 | 0.7 | 237.4 | 81.8 | 49.0 | 995.4 | 0.0 |
| | 18:15 | 1 | 5 | 5 | 6 | 3 | 4 | 3 | 0.6 | 191.7 | 79.5 | 57.0 | 995.4 | 0.0 |
| | 18:30 | 2 | 5 | 4 | 7 | 4 | 4 | 4 | 0.8 | 230.5 | 77.7 | 59.0 | 995.5 | 0.0 |
| | 18:45 | 2 | 5 | 6 | 8 | 4 | 4 | 4 | 0.6 | 18.2 | 75.8 | 62.0 | 995.6 | 0.0 |
| | 19:00 | 2 | 5 | 5 | 7 | 6 | 5 | 5 | 0.7 | 275.7 | 74.5 | 65.0 | 995.7 | 0.0 |
| | 19:15 | 3 | 5 | 6 | 7 | 5 | 5 | 5 | 0.5 | 299.9 | 73.4 | 67.0 | 995.8 | 0.0 |
| | 19:30 | 4 | 6 | 6 | 9 | 5 | 5 | 5 | 0.6 | 29.9 | 72.4 | 70.0 | 995.9 | 0.0 |
| | 19:45 | 4 | 5 | 5 | 7 | 5 | 5 | 5 | 0.7 | 61.6 | 71.7 | 72.0 | 996.1 | 0.0 |
| | 20:00 | 3 | 5 | 6 | 8 | 6 | 6 | 5 | 1.1 | 64.6 | 71.2 | 69.0 | 996.3 | 0.0 |
| | 20:15 | 7 | 11 | 12 | 15 | 6 | 6 | 7 | 0.7 | 70.4 | 71.0 | 72.0 | 996.4 | 0.0 |
| | 20:30 | 5 | 6 | 6 | 7 | 6 | 7 | 6 | 1.1 | 45.1 | 70.1 | 73.0 | 996.4 | 0.0 |
| | 20:45 | 3 | 5 | 6 | 7 | 6 | 5 | 5 | 1.7 | 58.7 | 70.3 | 64.0 | 996.5 | 0.0 |
| | 21:00 | 3 | 6 | 6 | 8 | 6 | 6 | 6 | 1.2 | 109.8 | 71.0 | 63.0 | 996.7 | 0.0 |
| | 21:15 | 3 | 6 | 6 | 7 | 5 | 6 | 6 | 2.1 | 76.0 | 70.9 | 65.0 | 996.8 | 0.0 |
| | 21:30 | 3 | 5 | 5 | 6 | 6 | 6 | 6 | 2.1 | 72.1 | 70.5 | 65.0 | 996.9 | 0.0 |
| | 21:45 | 2 | 5 | 5 | 6 | 5 | 5 | 5 | 1.9 | 88.4 | 70.4 | 66.0 | 997.0 | 0.0 |
| | 22:00 | 2 | 5 | 4 | 7 | 5 | 5 | 4 | 1.8 | 80.5 | 69.9 | 67.0 | 997.0 | 0.0 |
| | 22:15 | 2 | 5 | 4 | 6 | 5 | 5 | 4 | 1.9 | 79.7 | 69.5 | 68.0 | 997.0 | 0.0 |
| | 22:30 | 2 | 5 | 4 | 6 | 5 | 5 | 4 | 2.0 | 58.7 | 69.1 | 69.0 | 997.0 | 0.0 |
| | 22:45 | 2 | 5 | 4 | 7 | 5 | 5 | 5 | 2.1 | 56.2 | 68.8 | 70.0 | 997.0 | 0.0 |
| | 23:00 | 3 | 5 | 5 | 6 | 5 | 5 | 4 | 1.9 | 44.4 | 68.2 | 72.0 | 997.1 | 0.0 |
| | 23:15 | 2 | 5 | 5 | 6 | 5 | 5 | 4 | 1.8 | 44.3 | 67.7 | 72.0 | 997.1 | 0.0 |
| | 23:30 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 2.0 | 46.5 | 67.3 | 73.0 | 997.1 | 0.0 |
| | 23:45 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 2.4 | 50.7 | 67.1 | 74.0 | 997.1 | 0.0 |
| | 00:00 | 2 | 5 | 4 | 5 | 4 | 5 | 4 | 2.9 | 57.2 | 66.9 | 74.0 | 997.1 | 0.0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 9/30/2023 | 00:15 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | 2.9 | 60.9 | 66.8 | 75.0 | 997.0 | 0.0 |
| | 00:30 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 2.4 | 63.5 | 66.7 | 75.0 | 997.1 | 0.0 |
| | 00:45 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 2.4 | 77.2 | 66.4 | 75.0 | 997.1 | 0.0 |
| | 01:00 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 2.1 | 69.2 | 66.0 | 76.0 | 997.1 | 0.0 |
| | 01:15 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 1.7 | 49.3 | 65.6 | 78.0 | 997.3 | 0.0 |
| | 01:30 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 1.5 | 39.9 | 65.3 | 79.0 | 997.3 | 0.0 |
| | 01:45 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 1.5 | 55.4 | 64.9 | 80.0 | 997.4 | 0.0 |
| | 02:00 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 1.4 | 63.7 | 64.7 | 80.0 | 997.5 | 0.0 |
| | 02:15 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 1.2 | 68.8 | 64.4 | 81.0 | 997.5 | 0.0 |
| | 02:30 | 4 | 5 | 4 | 5 | 5 | 4 | 4 | 1.2 | 56.5 | 64.0 | 83.0 | 997.4 | 0.0 |
| | 02:45 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 1.0 | 54.5 | 63.7 | 83.0 | 997.4 | 0.0 |
| | 03:00 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 1.0 | 44.8 | 63.3 | 84.0 | 997.3 | 0.0 |
| | 03:15 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 1.2 | 13.3 | 63.7 | 83.0 | 997.3 | 0.0 |
| | 03:30 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 1.4 | 49.1 | 64.1 | 83.0 | 997.3 | 0.0 |
| | 03:45 | 5 | 6 | 5 | 6 | 5 | 4 | 5 | 1.3 | 58.2 | 64.3 | 82.0 | 997.4 | 0.0 |
| | 04:00 | 5 | 6 | 5 | 6 | 5 | 4 | 5 | 1.1 | 13.8 | 64.3 | 83.0 | 997.6 | 0.0 |
| | 04:15 | 5 | 6 | 5 | 5 | 5 | 4 | 5 | 1.0 | 35.8 | 64.1 | 83.0 | 997.7 | 0.0 |
| | 04:30 | 5 | 5 | 4 | 5 | 5 | 4 | 4 | 1.1 | 22.7 | 64.1 | 83.0 | 997.8 | 0.0 |
| | 04:45 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 1.4 | 23.5 | 64.3 | 82.0 | 997.9 | 0.0 |
| | 05:00 | 4 | 5 | 4 | 4 | 5 | 4 | 4 | 1.3 | 33.2 | 64.4 | 83.0 | 998.1 | 0.0 |
| | 05:15 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 1.1 | 31.6 | 64.2 | 83.0 | 998.1 | 0.0 |
| | 05:30 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 1.0 | 44.6 | 64.0 | 85.0 | 998.2 | 0.0 |
| | 05:45 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.1 | 47.6 | 63.5 | 85.0 | 998.4 | 0.0 |
| | 06:00 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 0.9 | 28.5 | 63.3 | 86.0 | 998.5 | 0.0 |
| | 06:15 | 4 | 5 | 4 | 4 | 4 | 3 | 4 | 1.0 | 37.7 | 62.7 | 88.0 | 998.6 | 0.0 |
| | 06:30 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 0.8 | 28.7 | 62.3 | 88.0 | 998.7 | 0.0 |
| | 06:45 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.0 | 42.1 | 62.0 | 89.0 | 998.9 | 0.0 |
| | 07:00 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.3 | 62.7 | 61.8 | 89.0 | 998.9 | 0.0 |
| | 07:15 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.5 | 81.0 | 62.4 | 87.0 | 998.9 | 0.0 |
| | 07:30 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.6 | 94.0 | 63.1 | 86.0 | 999.0 | 0.0 |
| | 07:45 | 4 | 5 | 4 | 4 | 4 | 4 | 4 | 1.5 | 81.3 | 63.6 | 85.0 | 999.2 | 0.0 |
| | 08:00 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 1.5 | 78.4 | 64.5 | 83.0 | 999.2 | 0.0 |
| | 08:15 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 1.9 | 103.5 | 66.3 | 80.0 | 999.4 | 0.0 |
| | 08:30 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 2.3 | 101.8 | 67.6 | 78.0 | 999.4 | 0.0 |
| | 08:45 | 4 | 6 | 4 | 4 | 3 | 3 | 2 | 2.6 | 83.4 | 69.4 | 75.0 | 999.5 | 0.0 |
| | 09:00 | 4 | 6 | 5 | 5 | 4 | 4 | 4 | 2.1 | 97.9 | 71.4 | 71.0 | 999.6 | 0.0 |
| | 09:15 | 5 | 6 | 5 | 5 | 4 | 5 | 5 | 2.1 | 108.4 | 73.3 | 68.0 | 999.7 | 0.0 |
| | 09:30 | 5 | 6 | 5 | 6 | 4 | 5 | 5 | 2.5 | 80.1 | 74.8 | 66.0 | 999.7 | 0.0 |
| | 09:45 | 6 | 6 | 5 | 6 | 4 | 5 | 5 | 2.7 | 85.6 | 76.2 | 63.0 | 999.8 | 0.0 |
| | 10:00 | 6 | 6 | 5 | 5 | 4 | 5 | 5 | 2.7 | 133.5 | 77.4 | 61.0 | 999.9 | 0.0 |
| | 10:15 | 7 | 6 | 5 | 7 | 5 | 5 | 5 | 2.4 | 105.7 | 79.4 | 59.0 | 1000.0 | 0.0 |
| | 10:30 | 6 | 6 | 5 | 7 | 6 | 6 | 5 | 2.2 | 133.9 | 81.1 | 54.0 | 999.9 | 0.0 |
| | 10:45 | 6 | 6 | 6 | 7 | 5 | 6 | 6 | 2.1 | 187.3 | 83.1 | 51.0 | 999.8 | 0.0 |
| | 11:00 | 6 | 6 | 6 | 7 | 5 | 6 | 6 | 2.2 | 260.4 | 84.0 | 51.0 | 999.9 | 0.0 |
| | 11:15 | 7 | 7 | 6 | 6 | 5 | 6 | 6 | 2.4 | 15.9 | 85.0 | 48.0 | 999.9 | 0.0 |
| | 11:30 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 2.9 | 37.6 | 85.5 | 47.0 | 999.9 | 0.0 |
| | 11:45 | 6 | 6 | 6 | 6 | 5 | 7 | 7 | 2.1 | 58.8 | 85.9 | 48.0 | 999.8 | 0.0 |
| | 12:00 | 6 | 6 | 6 | 7 | 5 | 7 | 7 | 2.5 | 46.2 | 86.1 | 47.0 | 999.7 | 0.0 |
| | 12:15 | 6 | 6 | 6 | 7 | 6 | 7 | 6 | 3.0 | 240.9 | 86.4 | 48.0 | 999.7 | 0.0 |
| | 12:30 | 6 | 7 | 7 | 8 | 6 | 7 | 6 | 2.5 | 289.9 | 88.0 | 46.0 | 999.7 | 0.0 |
| | 12:45 | 6 | 7 | 7 | 9 | 7 | 7 | 7 | 3.1 | 58.7 | 87.8 | 46.0 | 999.5 | 0.0 |
| | 13:00 | 7 | 8 | 7 | 8 | 7 | 7 | 7 | 2.7 | 42.1 | 87.8 | 46.0 | 999.3 | 0.0 |
| | 13:15 | 7 | 8 | 7 | 8 | 7 | 7 | 7 | 3.0 | 52.3 | 88.3 | 44.0 | 999.2 | 0.0 |
| | 13:30 | 6 | 8 | 7 | 8 | 6 | 8 | 7 | 2.8 | 32.0 | 88.4 | 43.0 | 999.2 | 0.0 |
| | 13:45 | 6 | 7 | 7 | 8 | 6 | 8 | 8 | 2.6 | 18.4 | 89.5 | 44.0 | 999.0 | 0.0 |
| | 14:00 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 3.7 | 26.7 | 88.9 | 42.0 | 998.9 | 0.0 |
| | 14:15 | 6 | 7 | 6 | 8 | 5 | 7 | 7 | 3.3 | 28.2 | 88.4 | 42.0 | 998.9 | 0.0 |
| | 14:30 | 6 | 7 | 6 | 8 | 6 | 7 | 7 | 2.8 | 41.4 | 88.8 | 43.0 | 998.8 | 0.0 |
| | 14:45 | 6 | 7 | 6 | 8 | 5 | 7 | 7 | 2.9 | 62.6 | 88.7 | 42.0 | 998.7 | 0.0 |
| | 15:00 | 6 | 7 | 6 | 8 | 6 | 7 | 7 | 3.1 | 27.5 | 89.2 | 41.0 | 998.5 | 0.0 |
| | 15:15 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 2.8 | 42.1 | 89.3 | 42.0 | 998.4 | 0.0 |
| | 15:30 | 6 | 7 | 6 | 8 | 6 | 8 | 7 | 3.4 | 33.3 | 89.4 | 41.0 | 998.2 | 0.0 |
| | 15:45 | 6 | 7 | 6 | 8 | 6 | 7 | 7 | 3.7 | 39.3 | 88.9 | 42.0 | 998.2 | 0.0 |
| | 16:00 | 6 | 7 | 7 | 8 | 6 | 7 | 8 | 3.0 | 36.7 | 89.3 | 42.0 | 998.1 | 0.0 |
| | 16:15 | 6 | 7 | 6 | 8 | 6 | 7 | 7 | 3.7 | 32.5 | 89.0 | 41.0 | 998.1 | 0.0 |
| | 16:30 | 5 | 6 | 6 | 7 | 5 | 7 | 7 | 2.2 | 98.7 | 89.0 | 41.0 | 998.0 | 0.0 |
| | 16:45 | 6 | 7 | 7 | 7 | 5 | 7 | 6 | 3.0 | 76.5 | 88.3 | 42.0 | 998.1 | 0.0 |
| | 17:00 | 6 | 6 | 6 | 7 | 5 | 7 | 7 | 2.3 | 47.2 | 88.1 | 42.0 | 998.1 | 0.0 |
| | 17:15 | 5 | 7 | 6 | 7 | 5 | 6 | 6 | 3.0 | 56.1 | 87.5 | 43.0 | 998.1 | 0.0 |
| | 17:30 | 7 | 6 | 6 | 7 | 5 | 6 | 6 | 2.4 | 74.1 | 86.7 | 44.0 | 998.1 | 0.0 |
| | 17:45 | 10 | 7 | 6 | 7 | 5 | 6 | 6 | 1.6 | 61.0 | 85.8 | 46.0 | 998.2 | 0.0 |
| | 18:00 | 6 | 7 | 6 | 7 | 5 | 6 | 6 | 1.3 | 37.1 | 84.3 | 47.0 | 998.2 | 0.0 |
| | 18:15 | 5 | 6 | 6 | 7 | 5 | 6 | 6 | 0.9 | 29.5 | 82.9 | 49.0 | 998.3 | 0.0 |
| | 18:30 | 6 | 6 | 6 | 7 | 5 | 6 | 6 | 0.8 | 284.4 | 81.4 | 54.0 | 998.3 | 0.0 |
| | 18:45 | 7 | 7 | 7 | 8 | 6 | 6 | 6 | 0.6 | 233.2 | 79.5 | 57.0 | 998.4 | 0.0 |
| | 19:00 | 6 | 8 | 7 | 9 | 6 | 6 | 6 | 0.7 | 272.5 | 77.8 | 61.0 | 998.4 | 0.0 |
| | 19:15 | 6 | 8 | 7 | 8 | 7 | 6 | 6 | 0.9 | 17.6 | 76.8 | 60.0 | 998.4 | 0.0 |
| | 19:30 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 0.9 | 277.1 | 76.0 | 61.0 | 998.4 | 0.0 |
| | 19:45 | 6 | 6 | 7 | 9 | 6 | 6 | 6 | 0.8 | 290.4 | 75.3 | 58.0 | 998.5 | 0.0 |
| | 20:00 | 7 | 8 | 8 | 9 | 7 | 10 | 10 | 0.9 | 345.2 | 74.8 | 63.0 | 998.6 | 0.0 |
| | 20:15 | 12 | 10 | 8 | 9 | 12 | 16 | 16 | 1.1 | 13.4 | 73.7 | 62.0 | 998.7 | 0.0 |
| | 20:30 | 10 | 8 | 8 | 10 | 11 | 15 | 14 | 1.0 | 19.2 | 73.2 | 63.0 | 998.8 | 0.0 |
| | 20:45 | 8 | 8 | 7 | 9 | 12 | 11 | 10 | 1.2 | 45.6 | 72.0 | 71.0 | 998.9 | 0.0 |
| | 21:00 | 7 | 6 | 6 | 7 | 9 | 8 | 8 | 1.4 | 45.1 | 71.0 | 64.0 | 999.0 | 0.0 |
| | 21:15 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | 1.2 | 39.7 | 71.0 | 62.0 | 999.1 | 0.0 |
| | 21:30 | 6 | 5 | 5 | 7 | 6 | 6 | 6 | 1.3 | 60.6 | 71.0 | 60.0 | 999.3 | 0.0 |
| | 21:45 | 5 | 5 | 4 | 5 | 6 | 6 | 5 | 1.3 | 62.8 | 70.2 | 62.0 | 999.5 | 0.0 |
| | 22:00 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 1.4 | 55.0 | 69.2 | 62.0 | 999.6 | 0.0 |
| | 22:15 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 1.3 | 50.7 | 68.5 | 62.0 | 999.7 | 0.0 |
| | 22:30 | 5 | 5 | 5 | 4 | 5 | 5 | 4 | 1.2 | 37.0 | 67.8 | 63.0 | 999.8 | 0.0 |
| | 22:45 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 1.5 | 55.6 | 67.1 | 65.0 | 999.9 | 0.0 |
| | 23:00 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 1.3 | 50.0 | 66.5 | 67.0 | 1000.0 | 0.0 |
| | 23:15 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 1.7 | 35.7 | 65.6 | 72.0 | 1000.1 | 0.0 |
| | 23:30 | 5 | 5 | 4 | 5 | 4 | 5 | 4 | 1.6 | 31.9 | 64.6 | 75.0 | 1000.1 | 0.0 |
| | 23:45 | 4 | 5 | 4 | 5 | 4 | 4 | 4 | 1.9 | 40.4 | 63.8 | 76.0 | 1000.2 | 0.0 |
| | 00:00 | 5 | 5 | 4 | 5 | 4 | 4 | 4 | 1.9 | 33.8 | 63.5 | 78.0 | 1000.2 | 0.0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 10/1/2023 | 00:15 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.8 | 29.0 | 63.2 | 77.0 | 1000.2 | 0.0 |
| | 00:30 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.9 | 34.0 | 63.6 | 76.0 | 1000.2 | 0.0 |
| | 00:45 | 3 | 5 | 4 | 5 | 5 | 4 | 5 | 1.5 | 28.8 | 63.7 | 77.0 | 1000.2 | 0.0 |
| | 01:00 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 0.9 | 353.1 | 62.9 | 79.0 | 1000.3 | 0.0 |
| | 01:15 | 2 | 5 | 4 | 5 | 5 | 5 | 5 | 0.7 | 301.7 | 62.4 | 82.0 | 1000.3 | 0.0 |
| | 01:30 | 3 | 5 | 4 | 5 | 5 | 5 | 5 | 0.7 | 312.0 | 61.8 | 84.0 | 1000.4 | 0.0 |
| | 01:45 | 2 | 5 | 4 | 6 | 5 | 4 | 5 | 0.7 | 332.2 | 61.4 | 86.0 | 1000.4 | 0.0 |
| | 02:00 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.1 | 6.0 | 61.0 | 86.0 | 1000.5 | 0.0 |
| | 02:15 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.0 | 30.3 | 60.8 | 87.0 | 1000.5 | 0.0 |
| | 02:30 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 1.0 | 359.4 | 60.8 | 88.0 | 1000.5 | 0.0 |
| | 02:45 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 1.2 | 16.0 | 60.5 | 88.0 | 1000.7 | 0.0 |
| | 03:00 | 2 | 5 | 4 | 5 | 5 | 4 | 5 | 1.1 | 5.5 | 60.5 | 88.0 | 1000.7 | 0.0 |
| | 03:15 | 2 | 5 | 5 | 6 | 5 | 5 | 5 | 0.8 | 357.8 | 60.4 | 89.0 | 1000.8 | 0.0 |
| | 03:30 | 2 | 6 | 5 | 7 | 6 | 5 | 5 | 0.6 | 326.6 | 60.0 | 88.0 | 1000.8 | 0.0 |
| | 03:45 | 3 | 5 | 5 | 6 | 5 | 5 | 5 | 1.0 | 13.2 | 59.8 | 89.0 | 1000.8 | 0.0 |
| | 04:00 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.1 | 25.3 | 59.6 | 89.0 | 1001.0 | 0.0 |
| | 04:15 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 0.9 | 26.0 | 59.6 | 88.0 | 1001.1 | 0.0 |
| | 04:30 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 1.1 | 28.7 | 59.3 | 89.0 | 1001.1 | 0.0 |
| | 04:45 | 2 | 5 | 4 | 4 | 4 | 4 | 4 | 0.9 | 40.5 | 59.5 | 89.0 | 1001.3 | 0.0 |
| | 05:00 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.0 | 54.4 | 59.6 | 90.0 | 1001.4 | 0.0 |
| | 05:15 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 0.7 | 47.4 | 59.4 | 90.0 | 1001.5 | 0.0 |
| | 05:30 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 0.8 | 46.2 | 58.8 | 92.0 | 1001.6 | 0.0 |
| | 05:45 | 1 | 5 | 4 | 4 | 4 | 4 | 4 | 1.0 | 61.3 | 59.1 | 91.0 | 1001.7 | 0.0 |
| | 06:00 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.1 | 49.3 | 59.4 | 91.0 | 1001.9 | 0.0 |
| | 06:15 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.2 | 62.0 | 59.3 | 91.0 | 1002.0 | 0.0 |
| | 06:30 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.2 | 68.2 | 59.1 | 92.0 | 1002.1 | 0.0 |
| | 06:45 | 2 | 5 | 4 | 5 | 4 | 4 | 4 | 1.2 | 46.8 | 58.8 | 92.0 | 1002.1 | 0.0 |
| | 07:00 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.2 | 52.8 | 58.8 | 92.0 | 1002.1 | 0.0 |
| | 07:15 | 2 | 5 | 4 | 5 | 4 | 4 | 5 | 1.0 | 37.5 | 59.6 | 90.0 | 1002.2 | 0.0 |
| | 07:30 | 2 | 5 | 4 | 5 | 5 | 4 | 4 | 1.1 | 48.8 | 60.9 | 88.0 | 1002.4 | 0.0 |
| | 07:45 | 2 | 5 | 5 | 5 | 4 | 4 | 4 | 1.3 | 91.0 | 61.7 | 87.0 | 1002.4 | 0.0 |
| | 08:00 | 3 | 6 | 4 | 6 | 4 | 4 | 4 | 1.8 | 95.3 | 62.9 | 84.0 | 1002.4 | 0.0 |
| | 08:15 | 3 | 6 | 5 | 6 | 4 | 4 | 4 | 1.7 | 100.0 | 65.2 | 79.0 | 1002.6 | 0.0 |
| | 08:30 | 2 | 6 | 5 | 6 | 5 | 4 | 5 | 1.8 | 80.9 | 67.2 | 78.0 | 1002.7 | 0.0 |
| | 08:45 | 2 | 6 | 5 | 6 | 5 | 4 | 4 | 1.7 | 88.1 | 69.5 | 72.0 | 1002.7 | 0.0 |
| | 09:00 | 3 | 6 | 5 | 6 | 4 | 4 | 4 | 1.7 | 117.6 | 71.5 | 69.0 | 1002.8 | 0.0 |
| | 09:15 | 2 | 6 | 5 | 6 | 4 | 4 | 4 | 1.7 | 99.6 | 73.5 | 67.0 | 1002.9 | 0.0 |
| | 09:30 | 2 | 6 | 5 | 7 | 4 | 4 | 4 | 1.7 | 98.5 | 74.9 | 63.0 | 1003.1 | 0.0 |
| | 09:45 | 3 | 5 | 5 | 7 | 4 | 5 | 5 | 2.4 | 77.3 | 76.3 | 62.0 | 1003.2 | 0.0 |
| | 10:00 | 3 | 5 | 4 | 6 | 5 | 5 | 5 | 2.4 | 64.6 | 77.4 | 59.0 | 1003.2 | 0.0 |
| | 10:15 | 2 | 5 | 4 | 7 | 4 | 4 | 4 | 1.7 | 164.1 | 79.9 | 50.0 | 1003.2 | 0.0 |
| | 10:30 | 1 | 5 | 4 | 6 | 4 | 4 | 4 | 2.3 | 232.0 | 80.9 | 52.0 | 1003.2 | 0.0 |
| | 10:45 | 1 | 5 | 4 | 6 | 4 | 4 | 4 | 2.7 | 271.1 | 81.7 | 50.0 | 1003.0 | 0.0 |
| | 11:00 | 1 | 5 | 4 | 5 | 3 | 4 | 4 | 2.2 | 210.7 | 82.5 | 45.0 | 1002.9 | 0.0 |
| | 11:15 | 1 | 5 | 4 | 5 | 3 | 4 | 4 | 2.4 | 32.7 | 83.3 | 45.0 | 1002.7 | 0.0 |
| | 11:30 | 1 | 5 | 4 | 5 | 3 | 4 | 4 | 2.7 | 253.5 | 82.9 | 45.0 | 1002.6 | 0.0 |
| | 11:45 | 1 | 5 | 4 | 5 | 3 | 4 | 4 | 2.5 | 221.5 | 83.4 | 45.0 | 1002.5 | 0.0 |
| | 12:00 | 1 | 5 | 4 | 5 | 3 | 4 | 4 | 3.4 | 40.0 | 84.0 | 43.0 | 1002.3 | 0.0 |
| | 12:15 | 1 | 5 | 4 | 5 | 4 | 4 | 4 | 4.4 | 51.0 | 83.6 | 43.0 | 1002.2 | 0.0 |
| | 12:30 | 1 | 4 | 4 | 6 | 3 | 4 | 4 | 3.2 | 79.7 | 83.9 | 41.0 | 1002.1 | 0.0 |
| | 12:45 | 0 | 4 | 3 | 6 | 3 | 4 | 4 | 3.3 | 59.5 | 84.5 | 40.0 | 1001.9 | 0.0 |
| | 13:00 | 0 | 4 | 3 | 5 | 4 | 4 | 4 | 3.7 | 54.7 | 85.1 | 38.0 | 1001.7 | 0.0 |
| | 13:15 | 0 | 4 | 3 | 5 | 3 | 3 | 3 | 3.2 | 98.7 | 84.9 | 39.0 | 1001.4 | 0.0 |
| | 13:30 | 0 | 3 | 3 | 4 | 3 | 3 | 3 | 2.7 | 102.3 | 85.3 | 38.0 | 1001.2 | 0.0 |
| | 13:45 | 0 | 4 | 4 | 5 | 3 | 3 | 3 | 3.3 | 43.0 | 86.3 | 37.0 | 1000.9 | 0.0 |
| | 14:00 | 0 | 4 | 3 | 5 | 3 | 3 | 3 | 2.7 | 59.9 | 85.9 | 38.0 | 1000.6 | 0.0 |
| | 14:15 | 0 | 4 | 3 | 5 | 2 | 3 | 3 | 2.8 | 27.2 | 86.2 | 38.0 | 1000.4 | 0.0 |
| | 14:30 | 0 | 4 | 3 | 4 | 2 | 4 | 3 | 2.6 | 240.3 | 87.2 | 37.0 | 1000.2 | 0.0 |
| | 14:45 | 0 | 4 | 3 | 5 | 3 | 4 | 4 | 3.6 | 45.1 | 86.9 | 37.0 | 1000.0 | 0.0 |
| | 15:00 | 0 | 4 | 4 | 4 | 2 | 4 | 3 | 4.1 | 44.0 | 86.3 | 38.0 | 999.7 | 0.0 |
| | 15:15 | 0 | 4 | 4 | 5 | 2 | 4 | 4 | 2.8 | 89.0 | 86.5 | 36.0 | 999.6 | 0.0 |
| | 15:30 | 0 | 4 | 3 | 5 | 2 | 4 | 4 | 3.8 | 70.0 | 86.3 | 36.0 | 999.5 | 0.0 |
| | 15:45 | 0 | 4 | 3 | 5 | 2 | 4 | 4 | 3.6 | 71.2 | 86.2 | 36.0 | 999.5 | 0.0 |
| | 16:00 | 0 | 4 | 4 | 5 | 3 | 4 | 4 | 2.9 | 67.3 | 86.4 | 36.0 | 999.4 | 0.0 |
| | 16:15 | 1 | 4 | 4 | 5 | 3 | 4 | 4 | 2.7 | 161.1 | 86.7 | 36.0 | 999.3 | 0.0 |
| | 16:30 | 1 | 5 | 4 | 7 | 3 | 4 | 4 | 2.1 | 183.4 | 87.0 | 35.0 | 999.2 | 0.0 |
| | 16:45 | 1 | 4 | 4 | 6 | 2 | 4 | 4 | 2.4 | 90.6 | 86.4 | 37.0 | 999.2 | 0.0 |
| | 17:00 | 1 | 4 | 3 | 5 | 2 | 3 | 3 | 1.9 | 201.1 | 86.4 | 38.0 | 999.1 | 0.0 |
| | 17:15 | 1 | 4 | 4 | 4 | 3 | 4 | 4 | 2.1 | 107.9 | 85.7 | 38.0 | 999.1 | 0.0 |
| | 17:30 | 1 | 4 | 4 | 5 | 3 | 4 | 4 | 1.5 | 94.8 | 84.9 | 39.0 | 999.1 | 0.0 |
| | 17:45 | 1 | 5 | 4 | 6 | 3 | 4 | 4 | 1.2 | 239.7 | 83.2 | 44.0 | 999.2 | 0.0 |
| | 18:00 | 1 | 5 | 4 | 6 | 4 | 4 | 4 | 0.9 | 263.3 | 81.5 | 46.0 | 999.3 | 0.0 |
| | 18:15 | 1 | 5 | 4 | 6 | 4 | 4 | 4 | 1.0 | 233.7 | 79.3 | 50.0 | 999.4 | 0.0 |
| | 18:30 | 2 | 5 | 5 | 7 | 4 | 4 | 4 | 0.8 | 256.0 | 77.3 | 55.0 | 999.4 | 0.0 |
| | 18:45 | 2 | 5 | 5 | 8 | 5 | 5 | 5 | 0.7 | 287.8 | 75.6 | 56.0 | 999.5 | 0.0 |
| | 19:00 | 3 | 6 | 5 | 7 | 5 | 4 | 4 | 0.8 | 326.0 | 74.0 | 59.0 | 999.5 | 0.0 |
| | 19:15 | 3 | 6 | 5 | 7 | 5 | 5 | 5 | 0.7 | 281.5 | 72.9 | 63.0 | 999.6 | 0.0 |
| | 19:30 | 3 | 6 | 5 | 7 | 5 | 5 | 5 | 0.7 | 58.0 | 71.8 | 63.0 | 999.6 | 0.0 |
| | 19:45 | 4 | 6 | 5 | 7 | 5 | 5 | 5 | 0.8 | 40.8 | 71.1 | 64.0 | 999.6 | 0.0 |
| | 20:00 | 4 | 6 | 5 | 7 | 5 | 6 | 5 | 0.6 | 347.2 | 70.3 | 66.0 | 999.7 | 0.0 |
| | 20:15 | 4 | 7 | 5 | 7 | 5 | 5 | 5 | 0.8 | 16.9 | 69.8 | 68.0 | 999.9 | 0.0 |
| | 20:30 | 3 | 7 | 6 | 6 | 6 | 5 | 5 | 0.8 | 59.9 | 69.4 | 70.0 | 999.9 | 0.0 |
| | 20:45 | 5 | 8 | 7 | 8 | 5 | 5 | 5 | 1.5 | 257.3 | 69.7 | 67.0 | 1000.0 | 0.0 |
| | 21:00 | 4 | 6 | 5 | 6 | 5 | 5 | 5 | 1.3 | 63.3 | 69.3 | 70.0 | 1000.0 | 0.0 |
| | 21:15 | 4 | 6 | 5 | 7 | 6 | 6 | 5 | 0.9 | 32.8 | 68.4 | 71.0 | 1000.1 | 0.0 |
| | 21:30 | 3 | 6 | 6 | 7 | 6 | 5 | 5 | 0.9 | 358.4 | 67.7 | 74.0 | 1000.1 | 0.0 |
| | 21:45 | 4 | 6 | 5 | 7 | 6 | 5 | 6 | 0.6 | 333.4 | 67.1 | 73.0 | 1000.2 | 0.0 |
| | 22:00 | 4 | 6 | 6 | 7 | 6 | 6 | 6 | 0.9 | 35.5 | 66.5 | 75.0 | 1000.2 | 0.0 |
| | 22:15 | 3 | 6 | 5 | 6 | 6 | 5 | 5 | 1.3 | 34.6 | 66.0 | 80.0 | 1000.2 | 0.0 |
| | 22:30 | 3 | 6 | 5 | 7 | 6 | 5 | 6 | 1.0 | 25.9 | 65.7 | 78.0 | 1000.1 | 0.0 |
| | 22:45 | 3 | 5 | 5 | 6 | 6 | 5 | 6 | 1.1 | 20.9 | 65.3 | 81.0 | 1000.1 | 0.0 |
| | 23:00 | 3 | 5 | 5 | 6 | 6 | 5 | 5 | 1.1 | 23.4 | 64.7 | 81.0 | 1000.1 | 0.0 |
| | 23:15 | 4 | 7 | 6 | 7 | 5 | 5 | 5 | 0.5 | 336.3 | 64.5 | 82.0 | 1000.2 | 0.0 |
| | 23:30 | 4 | 6 | 5 | 7 | 5 | 6 | 6 | 0.6 | 55.2 | 64.1 | 80.0 | 1000.2 | 0.0 |
| | 23:45 | 3 | 5 | 5 | 7 | 5 | 5 | 5 | 1.2 | 39.2 | 63.7 | 84.0 | 1000.3 | 0.0 |
| | 00:00 | 3 | 6 | 5 | 6 | 5 | 5 | 6 | 1.0 | 38.6 | 62.9 | 82.0 | 1000.2 | 0.0 |

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Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 10/2/2023 | 00:15 | 1 | 6 | 5 | 7 | 5 | 5 | 6 | 0.7 | 349.6 | 62.8 | 83.0 | 1000.2 | 0.0 |
| | 00:30 | 1 | 6 | 5 | 7 | 5 | 6 | 6 | 1.1 | 13.2 | 62.6 | 84.0 | 1000.2 | 0.0 |
| | 00:45 | 1 | 6 | 5 | 7 | 6 | 5 | 5 | 0.9 | 4.2 | 62.1 | 85.0 | 1000.3 | 0.0 |
| | 01:00 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 1.2 | 10.1 | 61.6 | 86.0 | 1000.4 | 0.0 |
| | 01:15 | 0 | 6 | 5 | 7 | 5 | 5 | 6 | 1.0 | 32.9 | 61.4 | 87.0 | 1000.4 | 0.0 |
| | 01:30 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 1.0 | 27.6 | 61.2 | 87.0 | 1000.4 | 0.0 |
| | 01:45 | 1 | 6 | 5 | 7 | 5 | 5 | 6 | 0.9 | 27.6 | 61.0 | 87.0 | 1000.5 | 0.0 |
| | 02:00 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 0.8 | 28.6 | 60.7 | 88.0 | 1000.5 | 0.0 |
| | 02:15 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 1.2 | 24.9 | 60.7 | 87.0 | 1000.3 | 0.0 |
| | 02:30 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 1.2 | 28.5 | 60.6 | 88.0 | 1000.3 | 0.0 |
| | 02:45 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 1.3 | 38.2 | 60.2 | 90.0 | 1000.2 | 0.0 |
| | 03:00 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 1.7 | 38.8 | 59.8 | 90.0 | 1000.2 | 0.0 |
| | 03:15 | 0 | 6 | 5 | 7 | 5 | 5 | 5 | 0.9 | 36.4 | 60.4 | 87.0 | 1000.2 | 0.0 |
| | 03:30 | 1 | 7 | 6 | 7 | 6 | 5 | 6 | 1.0 | 0.3 | 60.5 | 88.0 | 1000.3 | 0.0 |
| | 03:45 | 1 | 6 | 5 | 7 | 6 | 5 | 6 | 0.9 | 4.4 | 59.8 | 89.0 | 1000.3 | 0.0 |
| | 04:00 | 1 | 6 | 6 | 7 | 6 | 6 | 6 | 1.0 | 10.9 | 59.4 | 90.0 | 1000.3 | 0.0 |
| | 04:15 | 1 | 6 | 5 | 7 | 6 | 5 | 6 | 1.5 | 18.7 | 59.2 | 92.0 | 1000.5 | 0.0 |
| | 04:30 | 0 | 6 | 5 | 7 | 6 | 6 | 6 | 1.2 | 33.9 | 58.8 | 93.0 | 1000.5 | 0.0 |
| | 04:45 | 0 | 6 | 6 | 7 | 6 | 5 | 6 | 0.9 | 30.3 | 58.7 | 93.0 | 1000.5 | 0.0 |
| | 05:00 | 1 | 6 | 5 | 7 | 6 | 5 | 6 | 1.0 | 36.3 | 58.3 | 93.0 | 1000.5 | 0.0 |
| | 05:15 | 1 | 6 | 5 | 7 | 6 | 5 | 6 | 1.4 | 34.7 | 57.9 | 94.0 | 1000.5 | 0.0 |
| | 05:30 | 0 | 6 | 5 | 7 | 6 | 5 | 6 | 1.0 | 34.9 | 58.0 | 93.0 | 1000.5 | 0.0 |
| | 05:45 | 0 | 6 | 5 | 7 | 6 | 5 | 6 | 0.8 | 13.9 | 58.0 | 93.0 | 1000.5 | 0.0 |
| | 06:00 | 1 | 6 | 6 | 7 | 6 | 5 | 6 | 1.3 | 22.7 | 57.8 | 94.0 | 1000.7 | 0.0 |
| | 06:15 | 1 | 7 | 6 | 7 | 6 | 5 | 6 | 1.1 | 26.6 | 57.9 | 95.0 | 1000.7 | 0.0 |
| | 06:30 | 0 | 6 | 5 | 7 | 6 | 6 | 6 | 0.9 | 26.5 | 57.9 | 94.0 | 1000.7 | 0.0 |
| | 06:45 | 1 | 7 | 6 | 7 | 6 | 5 | 6 | 1.1 | 30.8 | 57.8 | 95.0 | 1000.6 | 0.0 |
| | 07:00 | 1 | 7 | 6 | 7 | 6 | 6 | 6 | 1.1 | 31.2 | 57.8 | 95.0 | 1000.6 | 0.0 |
| | 07:15 | 1 | 7 | 6 | 7 | 6 | 5 | 6 | 1.5 | 45.8 | 58.2 | 94.0 | 1000.7 | 0.0 |
| | 07:30 | 1 | 7 | 6 | 7 | 7 | 6 | 7 | 1.3 | 35.1 | 59.0 | 93.0 | 1000.8 | 0.0 |
| | 07:45 | 3 | 7 | 6 | 8 | 7 | 6 | 6 | 1.1 | 36.2 | 60.5 | 90.0 | 1000.8 | 0.0 |
| | 08:00 | 3 | 8 | 6 | 8 | 6 | 5 | 5 | 1.3 | 52.7 | 62.3 | 86.0 | 1000.9 | 0.0 |
| | 08:15 | 1 | 8 | 7 | 9 | 6 | 5 | 6 | 1.4 | 93.9 | 65.5 | 78.0 | 1001.1 | 0.0 |
| | 08:30 | 1 | 8 | 6 | 7 | 6 | 5 | 5 | 1.9 | 78.9 | 67.9 | 74.0 | 1001.1 | 0.0 |
| | 08:45 | 1 | 7 | 5 | 7 | 5 | 5 | 5 | 2.1 | 111.0 | 69.8 | 71.0 | 1001.1 | 0.0 |
| | 09:00 | 1 | 10 | 5 | 7 | 5 | 4 | 5 | 1.8 | 100.2 | 71.9 | 67.0 | 1001.1 | 0.0 |
| | 09:15 | 3 | 2 | 4 | 7 | 5 | 5 | 5 | 2.0 | 89.3 | 73.9 | 66.0 | 1001.2 | 0.0 |
| | 09:30 | 4 | 6 | 4 | 4 | 4 | 5 | 5 | 1.9 | 117.5 | 75.3 | 62.0 | 1001.2 | 0.0 |
| | 09:45 | 5 | 5 | 4 | 5 | 2 | 4 | 4 | 1.8 | 97.8 | 77.7 | 58.0 | 1001.1 | 0.0 |
| | 10:00 | 4 | 5 | 4 | 4 | 4 | 2 | 3 | 2.1 | 113.8 | 78.3 | 55.0 | 1001.1 | 0.0 |
| | 10:15 | 4 | 5 | 4 | 4 | 3 | 4 | 3 | 2.4 | 62.4 | 79.7 | 53.0 | 1001.1 | 0.0 |
| | 10:30 | 2 | 5 | 3 | 4 | 3 | 4 | 4 | 2.5 | 35.9 | 81.2 | 50.0 | 1001.0 | 0.0 |
| | 10:45 | 5 | 4 | 3 | 3 | 3 | 3 | 3 | 2.9 | 48.9 | 82.4 | 46.0 | 1000.9 | 0.0 |
| | 11:00 | 5 | 4 | 3 | 3 | 2 | 4 | 5 | 3.3 | 277.9 | 82.7 | 45.0 | 1000.8 | 0.0 |
| | 11:15 | 3 | 5 | 3 | 3 | 1 | 3 | 3 | 3.1 | 165.7 | 83.3 | 43.0 | 1000.6 | 0.0 |
| | 11:30 | 7 | 5 | 3 | 3 | 2 | 4 | 4 | 2.7 | 106.2 | 84.2 | 41.0 | 1000.4 | 0.0 |
| | 11:45 | 4 | 4 | 3 | 2 | 2 | 3 | 3 | 2.7 | 121.4 | 84.2 | 41.0 | 1000.2 | 0.0 |
| | 12:00 | 4 | 4 | 3 | 3 | 2 | 3 | 3 | 3.0 | 100.7 | 84.7 | 39.0 | 1000.0 | 0.0 |
| | 12:15 | 3 | 5 | 3 | 3 | 2 | 3 | 3 | 2.5 | 292.9 | 85.2 | 39.0 | 999.9 | 0.0 |
| | 12:30 | 1 | 4 | 3 | 4 | 2 | 3 | 3 | 3.3 | 251.2 | 86.2 | 38.0 | 999.8 | 0.0 |
| | 12:45 | 4 | 5 | 5 | 4 | 2 | 8 | 8 | 3.4 | 249.6 | 85.9 | 39.0 | 999.6 | 0.0 |
| | 13:00 | 9 | 5 | 4 | 4 | 3 | 3 | 3 | 2.7 | 242.7 | 86.3 | 38.0 | 999.4 | 0.0 |
| | 13:15 | 8 | 5 | 4 | 4 | 2 | 6 | 5 | 2.6 | 247.6 | 86.7 | 37.0 | 999.3 | 0.0 |
| | 13:30 | 2 | 4 | 3 | 4 | 2 | 3 | 4 | 2.8 | 217.0 | 87.1 | 37.0 | 999.0 | 0.0 |
| | 13:45 | 1 | 4 | 4 | 3 | 2 | 3 | 3 | 3.1 | 139.9 | 86.5 | 38.0 | 998.8 | 0.0 |
| | 14:00 | 1 | 4 | 3 | 3 | 2 | 3 | 3 | 2.6 | 262.9 | 87.3 | 37.0 | 998.6 | 0.0 |
| | 14:15 | 4 | 4 | 3 | 3 | 2 | 5 | 6 | 2.4 | 232.1 | 87.8 | 36.0 | 998.4 | 0.0 |
| | 14:30 | 3 | 5 | 3 | 3 | 2 | 4 | 4 | 2.6 | 296.0 | 88.2 | 36.0 | 998.3 | 0.0 |
| | 14:45 | 8 | 8 | 5 | 5 | 2 | 4 | 4 | 2.6 | 302.4 | 88.9 | 35.0 | 998.1 | 0.0 |
| | 15:00 | 13 | 11 | 3 | 4 | 4 | 5 | 5 | 2.8 | 249.5 | 88.9 | 36.0 | 997.9 | 0.0 |
| | 15:15 | 1 | 4 | 3 | 4 | 2 | 3 | 3 | 3.4 | 277.4 | 88.6 | 35.0 | 997.7 | 0.0 |
| | 15:30 | 1 | 4 | 3 | 4 | 2 | 3 | 3 | 2.7 | 255.0 | 88.8 | 36.0 | 997.5 | 0.0 |
| | 15:45 | 1 | 4 | 3 | 4 | 2 | 3 | 3 | 2.8 | 194.1 | 88.1 | 37.0 | 997.5 | 0.0 |
| | 16:00 | 2 | 4 | 3 | 4 | 2 | 3 | 3 | 2.8 | 222.5 | 88.4 | 35.0 | 997.4 | 0.0 |
| | 16:15 | 1 | 4 | 3 | 3 | 2 | 3 | 6 | 1.7 | 205.3 | 88.9 | 35.0 | 997.3 | 0.0 |
| | 16:30 | 23 | 7 | 4 | 4 | 2 | 4 | 19 | 2.2 | 233.3 | 88.6 | 34.0 | 997.3 | 0.0 |
| | 16:45 | 7 | 5 | 4 | 3 | 2 | 20 | 8 | 2.1 | 201.4 | 88.3 | 35.0 | 997.2 | 0.0 |
| | 17:00 | 4 | 6 | 4 | 4 | 1 | 3 | 3 | 2.5 | 244.4 | 88.3 | 35.0 | 997.2 | 0.0 |
| | 17:15 | 2 | 5 | 4 | 5 | 2 | 3 | 3 | 1.5 | 256.7 | 87.5 | 36.0 | 997.2 | 0.0 |
| | 17:30 | 1 | 4 | 3 | 4 | 2 | 3 | 3 | 2.0 | 259.5 | 87.1 | 37.0 | 997.2 | 0.0 |
| | 17:45 | 1 | 4 | 4 | 2 | 2 | 3 | 3 | 1.7 | 250.3 | 84.6 | 40.0 | 997.2 | 0.0 |
| | 18:00 | 2 | 4 | 3 | 4 | 2 | 3 | 2 | 1.4 | 243.7 | 82.9 | 44.0 | 997.2 | 0.0 |
| | 18:15 | 3 | 15 | 6 | 5 | 2 | 3 | 3 | 0.9 | 254.1 | 80.7 | 51.0 | 997.2 | 0.0 |
| | 18:30 | 2 | 5 | 5 | 4 | 3 | 3 | 3 | 0.8 | 241.0 | 78.4 | 54.0 | 997.2 | 0.0 |
| | 18:45 | 2 | 4 | 4 | 5 | 4 | 3 | 3 | 0.8 | 252.0 | 76.4 | 54.0 | 997.2 | 0.0 |
| | 19:00 | 2 | 5 | 5 | 5 | 4 | 4 | 4 | 0.7 | 265.1 | 74.7 | 58.0 | 997.3 | 0.0 |
| | 19:15 | 3 | 5 | 4 | 4 | 4 | 5 | 5 | 0.8 | 279.5 | 73.7 | 58.0 | 997.4 | 0.0 |
| | 19:30 | 4 | 6 | 4 | 5 | 5 | 5 | 6 | 0.8 | 264.0 | 72.9 | 58.0 | 997.5 | 0.0 |
| | 19:45 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 0.6 | 141.0 | 71.8 | 61.0 | 997.5 | 0.0 |
| | 20:00 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 0.7 | 102.5 | 70.7 | 63.0 | 997.6 | 0.0 |
| | 20:15 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 0.8 | 257.3 | 70.2 | 62.0 | 997.6 | 0.0 |
| | 20:30 | 5 | 6 | 5 | 6 | 6 | 6 | 5 | 0.9 | 77.1 | 69.7 | 65.0 | 997.6 | 0.0 |
| | 20:45 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 0.7 | 61.9 | 69.1 | 67.0 | 997.6 | 0.0 |
| | 21:00 | 5 | 5 | 5 | 5 | 6 | 4 | 4 | 0.8 | 18.4 | 68.5 | 68.0 | 997.6 | 0.0 |
| | 21:15 | 4 | 5 | 4 | 5 | 5 | 3 | 3 | 0.8 | 285.1 | 68.4 | 68.0 | 997.5 | 0.0 |
| | 21:30 | 4 | 5 | 4 | 4 | 5 | 3 | 3 | 0.7 | 322.7 | 67.8 | 70.0 | 997.5 | 0.0 |
| | 21:45 | 3 | 5 | 4 | 4 | 4 | 3 | 3 | 0.7 | 346.1 | 67.3 | 71.0 | 997.6 | 0.0 |
| | 22:00 | 3 | 5 | 4 | 4 | 4 | 3 | 3 | 0.8 | 70.0 | 66.8 | 73.0 | 997.5 | 0.0 |
| | 22:15 | 3 | 5 | 4 | 4 | 4 | 3 | 3 | 0.6 | 36.3 | 66.2 | 74.0 | 997.5 | 0.0 |
| | 22:30 | 3 | 5 | 3 | 3 | 4 | 3 | 4 | 0.6 | 26.4 | 65.7 | 76.0 | 997.5 | 0.0 |
| | 22:45 | 3 | 4 | 3 | 3 | 4 | 3 | 3 | 0.8 | 14.3 | 65.4 | 76.0 | 997.5 | 0.0 |
| | 23:00 | 3 | 5 | 3 | 3 | 4 | 3 | 3 | 0.6 | 16.5 | 65.1 | 77.0 | 997.6 | 0.0 |
| | 23:15 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 1.3 | 39.6 | 64.9 | 78.0 | 997.7 | 0.0 |
| | 23:30 | 2 | 5 | 3 | 4 | 3 | 3 | 3 | 1.2 | 17.7 | 65.4 | 76.0 | 997.8 | 0.0 |
| | 23:45 | 2 | 5 | 4 | 4 | 4 | 3 | 3 | 0.7 | 74.2 | 65.0 | 78.0 | 997.7 | 0.0 |
| | 00:00 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 0.7 | 276.5 | 64.2 | 81.0 | 997.6 | 0.0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 10/3/2023 | 00:15 | 2 | 4 | 3 | 4 | 4 | 3 | 3 | 0.6 | 66.6 | 63.8 | 82.0 | 997.5 | 0.0 |
| | 00:30 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.5 | 343.9 | 63.0 | 84.0 | 997.4 | 0.0 |
| | 00:45 | 1 | 5 | 4 | 4 | 4 | 3 | 3 | 0.8 | 4.9 | 62.6 | 84.0 | 997.4 | 0.0 |
| | 01:00 | 2 | 4 | 3 | 4 | 3 | 3 | 3 | 0.7 | 347.0 | 62.4 | 84.0 | 997.4 | 0.0 |
| | 01:15 | 2 | 4 | 3 | 5 | 4 | 3 | 4 | 0.7 | 12.5 | 62.2 | 85.0 | 997.4 | 0.0 |
| | 01:30 | 1 | 4 | 3 | 4 | 4 | 3 | 3 | 1.0 | 26.4 | 62.0 | 84.0 | 997.4 | 0.0 |
| | 01:45 | 1 | 4 | 3 | 4 | 4 | 3 | 4 | 1.1 | 35.3 | 61.9 | 85.0 | 997.4 | 0.0 |
| | 02:00 | 1 | 4 | 3 | 4 | 4 | 3 | 3 | 0.7 | 32.6 | 61.7 | 84.0 | 997.4 | 0.0 |
| | 02:15 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.7 | 33.2 | 61.6 | 85.0 | 997.2 | 0.0 |
| | 02:30 | 1 | 4 | 3 | 4 | 3 | 3 | 4 | 0.6 | 52.4 | 61.2 | 85.0 | 997.1 | 0.0 |
| | 02:45 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.1 | 35.7 | 60.9 | 86.0 | 997.0 | 0.0 |
| | 03:00 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.3 | 24.5 | 60.3 | 88.0 | 997.0 | 0.0 |
| | 03:15 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.9 | 33.0 | 60.1 | 88.0 | 996.8 | 0.0 |
| | 03:30 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.1 | 13.2 | 59.9 | 89.0 | 996.9 | 0.0 |
| | 03:45 | 1 | 4 | 3 | 5 | 3 | 3 | 3 | 0.8 | 21.7 | 59.7 | 89.0 | 996.9 | 0.0 |
| | 04:00 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.7 | 16.7 | 59.5 | 90.0 | 997.0 | 0.0 |
| | 04:15 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.6 | 29.7 | 59.2 | 91.0 | 997.2 | 0.0 |
| | 04:30 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.8 | 48.8 | 58.9 | 91.0 | 997.3 | 0.0 |
| | 04:45 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.1 | 31.7 | 58.7 | 91.0 | 997.5 | 0.0 |
| | 05:00 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.9 | 15.6 | 58.6 | 91.0 | 997.6 | 0.0 |
| | 05:15 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 0.8 | 14.4 | 58.7 | 90.0 | 997.7 | 0.0 |
| | 05:30 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.2 | 38.7 | 58.9 | 91.0 | 997.8 | 0.0 |
| | 05:45 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.3 | 38.1 | 58.7 | 91.0 | 997.9 | 0.0 |
| | 06:00 | 0 | 4 | 3 | 4 | 3 | 3 | 3 | 1.5 | 43.8 | 58.6 | 92.0 | 998.1 | 0.0 |
| | 06:15 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 1.1 | 38.6 | 58.4 | 91.0 | 998.1 | 0.0 |
| | 06:30 | 1 | 4 | 3 | 4 | 3 | 4 | 3 | 1.1 | 34.0 | 58.4 | 92.0 | 998.1 | 0.0 |
| | 06:45 | 1 | 4 | 3 | 4 | 3 | 3 | 3 | 1.5 | 33.7 | 58.1 | 93.0 | 998.1 | 0.0 |
| | 07:00 | 1 | 4 | 3 | 4 | 4 | 3 | 3 | 1.4 | 31.2 | 57.9 | 93.0 | 998.1 | 0.0 |
| | 07:15 | 2 | 4 | 4 | 5 | 4 | 4 | 4 | 1.6 | 30.9 | 58.2 | 92.0 | 998.1 | 0.0 |
| | 07:30 | 2 | 4 | 4 | 5 | 4 | 4 | 4 | 1.6 | 30.1 | 58.9 | 91.0 | 998.2 | 0.0 |
| | 07:45 | 3 | 5 | 4 | 6 | 4 | 4 | 4 | 1.6 | 49.4 | 60.4 | 86.0 | 998.4 | 0.0 |
| | 08:00 | 10 | 5 | 4 | 5 | 4 | 3 | 3 | 1.4 | 83.5 | 62.1 | 82.0 | 998.4 | 0.0 |
| | 08:15 | 3 | 7 | 4 | 5 | 4 | 3 | 3 | 1.7 | 97.3 | 64.5 | 78.0 | 998.4 | 0.0 |
| | 08:30 | 2 | 5 | 4 | 6 | 4 | 3 | 3 | 2.0 | 99.1 | 66.5 | 75.0 | 998.3 | 0.0 |
| | 08:45 | 1 | 5 | 4 | 4 | 3 | 3 | 3 | 1.9 | 101.4 | 68.8 | 72.0 | 998.3 | 0.0 |
| | 09:00 | 1 | 3 | 3 | 4 | 3 | 3 | 3 | 2.5 | 106.5 | 70.8 | 69.0 | 998.3 | 0.0 |
| | 09:15 | 2 | 5 | 4 | 4 | 2 | 2 | 2 | 1.8 | 104.7 | 73.6 | 64.0 | 998.4 | 0.0 |
| | 09:30 | 4 | 5 | 4 | 6 | 3 | 4 | 4 | 1.9 | 235.2 | 76.2 | 59.0 | 998.4 | 0.0 |
| | 09:45 | 7 | 6 | 5 | 6 | 3 | 4 | 4 | 2.2 | 233.5 | 78.1 | 58.0 | 998.4 | 0.0 |
| | 10:00 | 11 | 8 | 5 | 6 | 4 | 4 | 4 | 2.5 | 224.3 | 79.2 | 53.0 | 998.5 | 0.0 |
| | 10:15 | 4 | 6 | 5 | 7 | 5 | 5 | 5 | 3.3 | 243.5 | 80.6 | 51.0 | 998.5 | 0.0 |
| | 10:30 | 5 | 6 | 6 | 7 | 5 | 6 | 5 | 3.1 | 231.0 | 81.5 | 51.0 | 998.4 | 0.0 |
| | 10:45 | 8 | 7 | 6 | 9 | 5 | 7 | 6 | 3.6 | 244.4 | 82.3 | 48.0 | 998.3 | 0.0 |
| | 11:00 | 12 | 9 | 6 | 8 | 5 | 6 | 6 | 2.8 | 214.8 | 83.7 | 46.0 | 998.1 | 0.0 |
| | 11:15 | 5 | 10 | 7 | 7 | 5 | 6 | 6 | 2.4 | 208.3 | 84.6 | 45.0 | 998.0 | 0.0 |
| | 11:30 | 5 | 7 | 6 | 7 | 5 | 6 | 6 | 3.0 | 201.7 | 85.3 | 45.0 | 997.8 | 0.0 |
| | 11:45 | 9 | 8 | 7 | 8 | 6 | 10 | 10 | 2.6 | 213.4 | 85.8 | 42.0 | 997.5 | 0.0 |
| | 12:00 | 18 | 16 | 10 | 10 | 7 | 9 | 9 | 3.6 | 244.0 | 86.5 | 40.0 | 997.3 | 0.0 |
| | 12:15 | 22 | 15 | 13 | 15 | 11 | 14 | 12 | 4.1 | 249.9 | 87.0 | 38.0 | 997.1 | 0.0 |
| | 12:30 | 31 | 31 | 22 | 25 | 15 | 71 | 63 | 3.8 | 243.2 | 87.8 | 37.0 | 996.8 | 0.0 |
| | 12:45 | 13 | 14 | 14 | 16 | 13 | 19 | 19 | 4.1 | 237.1 | 87.1 | 38.0 | 996.7 | 0.0 |
| | 13:00 | 18 | 17 | 15 | 16 | 13 | 15 | 14 | 2.9 | 283.2 | 88.2 | 36.0 | 996.3 | 0.0 |
| | 13:15 | 25 | 22 | 17 | 18 | 13 | 15 | 14 | 2.9 | 178.0 | 88.5 | 36.0 | 996.0 | 0.0 |
| | 13:30 | 25 | 17 | 14 | 14 | 13 | 14 | 14 | 3.0 | 201.2 | 88.1 | 36.0 | 995.8 | 0.0 |
| | 13:45 | 17 | 14 | 13 | 15 | 12 | 13 | 14 | 3.7 | 249.5 | 88.0 | 36.0 | 995.6 | 0.0 |
| | 14:00 | 16 | 14 | 13 | 15 | 12 | 13 | 13 | 4.7 | 244.2 | 87.6 | 36.0 | 995.5 | 0.0 |
| | 14:15 | 18 | 17 | 14 | 16 | 11 | 13 | 13 | 3.7 | 238.3 | 87.7 | 37.0 | 995.4 | 0.0 |
| | 14:30 | 18 | 14 | 12 | 13 | 11 | 12 | 12 | 3.5 | 244.4 | 88.4 | 36.0 | 995.1 | 0.0 |
| | 14:45 | 11 | 12 | 12 | 14 | 10 | 12 | 12 | 4.3 | 248.4 | 88.2 | 36.0 | 994.9 | 0.0 |
| | 15:00 | 11 | 11 | 12 | 14 | 10 | 12 | 12 | 4.2 | 260.9 | 87.7 | 35.0 | 994.8 | 0.0 |
| | 15:15 | 12 | 11 | 13 | 14 | 10 | 13 | 13 | 4.1 | 261.2 | 87.7 | 36.0 | 994.5 | 0.0 |
| | 15:30 | 12 | 12 | 12 | 15 | 9 | 12 | 12 | 4.3 | 237.1 | 87.7 | 37.0 | 994.4 | 0.0 |
| | 15:45 | 12 | 11 | 11 | 13 | 9 | 11 | 11 | 3.0 | 226.5 | 87.5 | 37.0 | 994.4 | 0.0 |
| | 16:00 | 10 | 11 | 11 | 12 | 9 | 11 | 12 | 3.2 | 258.4 | 87.8 | 37.0 | 994.2 | 0.0 |
| | 16:15 | 10 | 11 | 11 | 12 | 9 | 11 | 11 | 3.1 | 252.8 | 87.3 | 37.0 | 994.1 | 0.0 |
| | 16:30 | 11 | 11 | 12 | 12 | 10 | 11 | 11 | 2.3 | 244.2 | 86.7 | 38.0 | 994.1 | 0.0 |
| | 16:45 | 11 | 11 | 12 | 13 | 10 | 12 | 11 | 3.5 | 230.5 | 86.1 | 38.0 | 994.0 | 0.0 |
| | 17:00 | 10 | 11 | 11 | 12 | 9 | 11 | 11 | 3.0 | 223.0 | 85.9 | 39.0 | 993.9 | 0.0 |
| | 17:15 | 10 | 13 | 14 | 14 | 9 | 10 | 10 | 2.4 | 252.5 | 84.9 | 40.0 | 993.9 | 0.0 |
| | 17:30 | 11 | 11 | 10 | 9 | 9 | 10 | 10 | 2.2 | 264.1 | 84.0 | 42.0 | 993.9 | 0.0 |
| | 17:45 | 9 | 10 | 10 | 12 | 8 | 9 | 9 | 1.5 | 242.6 | 83.0 | 44.0 | 993.9 | 0.0 |
| | 18:00 | 15 | 15 | 13 | 14 | 9 | 10 | 9 | 1.8 | 259.8 | 81.9 | 45.0 | 993.9 | 0.0 |
| | 18:15 | 9 | 10 | 11 | 11 | 9 | 10 | 9 | 1.3 | 288.6 | 80.9 | 46.0 | 993.9 | 0.0 |
| | 18:30 | 11 | 11 | 12 | 14 | 11 | 10 | 11 | 1.1 | 196.8 | 80.0 | 48.0 | 993.8 | 0.0 |
| | 18:45 | 12 | 11 | 12 | 15 | 12 | 13 | 13 | 1.2 | 300.1 | 78.9 | 51.0 | 993.8 | 0.0 |
| | 19:00 | 11 | 11 | 12 | 15 | 13 | 13 | 13 | 1.4 | 267.0 | 78.1 | 51.0 | 993.8 | 0.0 |
| | 19:15 | 10 | 11 | 12 | 15 | 12 | 11 | 11 | 1.3 | 266.6 | 77.9 | 53.0 | 993.7 | 0.0 |
| | 19:30 | 10 | 11 | 11 | 14 | 11 | 11 | 11 | 1.3 | 33.2 | 77.4 | 53.0 | 993.7 | 0.0 |
| | 19:45 | 9 | 10 | 10 | 11 | 11 | 11 | 10 | 1.5 | 318.1 | 77.4 | 52.0 | 993.7 | 0.0 |
| | 20:00 | 8 | 10 | 9 | 11 | 11 | 10 | 10 | 1.4 | 347.3 | 77.1 | 52.0 | 993.7 | 0.0 |
| | 20:15 | 8 | 9 | 9 | 9 | 9 | 10 | 9 | 1.5 | 285.6 | 76.7 | 54.0 | 993.7 | 0.0 |
| | 20:30 | 8 | 9 | 9 | 9 | 9 | 10 | 9 | 2.2 | 265.7 | 76.2 | 54.0 | 993.6 | 0.0 |
| | 20:45 | 8 | 9 | 8 | 9 | 9 | 10 | 9 | 1.9 | 262.7 | 75.8 | 55.0 | 993.6 | 0.0 |
| | 21:00 | 8 | 9 | 9 | 9 | 9 | 9 | 10 | 1.3 | 306.0 | 75.2 | 56.0 | 993.5 | 0.0 |
| | 21:15 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1.1 | 321.1 | 74.9 | 57.0 | 993.4 | 0.0 |
| | 21:30 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1.2 | 314.3 | 74.5 | 58.0 | 993.4 | 0.0 |
| | 21:45 | 8 | 9 | 9 | 10 | 8 | 9 | 8 | 1.4 | 300.8 | 74.4 | 59.0 | 993.3 | 0.0 |
| | 22:00 | 8 | 9 | 8 | 10 | 8 | 8 | 9 | 1.6 | 298.4 | 74.2 | 59.0 | 993.3 | 0.0 |
| | 22:15 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 1.7 | 269.1 | 74.1 | 59.0 | 993.3 | 0.0 |
| | 22:30 | 8 | 9 | 8 | 9 | 9 | 8 | 8 | 1.4 | 296.3 | 73.9 | 60.0 | 993.2 | 0.0 |
| | 22:45 | 8 | 9 | 8 | 9 | 9 | 9 | 8 | 1.7 | 281.8 | 73.7 | 60.0 | 993.3 | 0.0 |
| | 23:00 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 1.6 | 284.9 | 73.5 | 61.0 | 993.3 | 0.0 |
| | 23:15 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 2.7 | 263.6 | 73.3 | 61.0 | 993.3 | 0.0 |
| | 23:30 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 1.9 | 312.6 | 72.9 | 62.0 | 993.2 | 0.0 |
| | 23:45 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 2.0 | 240.0 | 72.7 | 62.0 | 993.2 | 0.0 |
| | 00:00 | 7 | 8 | 8 | 9 | 8 | 8 | 8 | 2.0 | 251.4 | 72.6 | 63.0 | 993.3 | 0.0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# Appendix A: Preliminary Data Record — Real-time PM Measurements

| Date | Timestamp | SAM 1 | SAM 1.5 | SAM 2 | SAM 2.5 | SAM 3 | SAM 4 | SAM 5 | Meteorological Station | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Average Concentration [µg/m³] | Wind Speed [mph] | Wind Direction [degrees] | Temperature [°F] | Relative Humidity (%) | Pressure (mb) | Rainfall (inches) |
| 10/4/2023 | 00:15 | 5 | 8 | 7 | 9 | 8 | 8 | 7 | 2 | 257 | 72 | 63 | 993 | 0 |
| | 00:30 | 5 | 8 | 8 | 9 | 8 | 7 | 7 | 2 | 231 | 72 | 64 | 993 | 0 |
| | 00:45 | 5 | 8 | 7 | 8 | 8 | 7 | 7 | 1 | 52 | 72 | 66 | 993 | 0 |
| | 01:00 | 5 | 8 | 7 | 9 | 7 | 7 | 7 | 1 | 47 | 72 | 66 | 994 | 0 |
| | 01:15 | 4 | 8 | 7 | 9 | 7 | 8 | 7 | 1 | 108 | 71 | 69 | 994 | 0 |
| | 01:30 | 5 | 8 | 7 | 9 | 7 | 7 | 7 | 1 | 64 | 71 | 70 | 994 | 0 |
| | 01:45 | 4 | 8 | 7 | 9 | 7 | 6 | 6 | 1 | 306 | 70 | 70 | 994 | 0 |
| | 02:00 | 5 | 8 | 6 | 8 | 7 | 7 | 7 | 1 | 61 | 70 | 72 | 994 | 0 |
| | 02:15 | 4 | 8 | 6 | 8 | 7 | 7 | 7 | 1 | 86 | 70 | 73 | 994 | 0 |
| | 02:30 | 4 | 7 | 6 | 9 | 7 | 6 | 6 | 1 | 59 | 69 | 73 | 994 | 0 |
| | 02:45 | 4 | 7 | 6 | 8 | 7 | 6 | 6 | 1 | 16 | 69 | 73 | 994 | 0 |
| | 03:00 | 4 | 8 | 6 | 8 | 7 | 6 | 6 | 1 | 294 | 69 | 73 | 994 | 0 |
| | 03:15 | 3 | 7 | 6 | 8 | 6 | 6 | 6 | 1 | 344 | 69 | 73 | 994 | 0 |
| | 03:30 | 4 | 7 | 6 | 8 | 6 | 6 | 6 | 1 | 33 | 69 | 73 | 994 | 0 |
| | 03:45 | 3 | 7 | 6 | 8 | 6 | 6 | 6 | 1 | 320 | 69 | 73 | 994 | 0 |
| | 04:00 | 3 | 7 | 6 | 7 | 6 | 6 | 6 | 1 | 36 | 68 | 75 | 994 | 0 |
| | 04:15 | 4 | 7 | 6 | 8 | 6 | 6 | 6 | 1 | 321 | 68 | 75 | 994 | 0 |
| | 04:30 | 3 | 7 | 6 | 8 | 6 | 6 | 6 | 1 | 300 | 68 | 75 | 994 | 0 |
| | 04:45 | 3 | 7 | 6 | 8 | 7 | 6 | 6 | 1 | 326 | 68 | 75 | 994 | 0 |
| | 05:00 | 4 | 7 | 6 | 8 | 6 | 6 | 6 | 2 | 292 | 68 | 75 | 994 | 0 |
| | 05:15 | 4 | 8 | 6 | 8 | 7 | 6 | 6 | 2 | 266 | 68 | 74 | 994 | 0 |
| | 05:30 | 3 | 8 | 6 | 8 | 7 | 6 | 6 | 1 | 323 | 68 | 76 | 994 | 0 |
| | 05:45 | 4 | 8 | 7 | 8 | 7 | 6 | 6 | 1 | 51 | 67 | 77 | 994 | 0 |
| | 06:00 | 4 | 7 | 6 | 8 | 7 | 6 | 6 | 1 | 334 | 67 | 78 | 995 | 0 |
| | 06:15 | 3 | 7 | 6 | 8 | 7 | 6 | 6 | 1 | 317 | 66 | 79 | 995 | 0 |
| | 06:30 | 4 | 7 | 6 | 8 | 7 | 6 | 6 | 1 | 31 | 65 | 81 | 995 | 0 |
| | 06:45 | 4 | 7 | 6 | 8 | 7 | 6 | 6 | 1 | 46 | 65 | 82 | 995 | 0 |
| | 07:00 | 4 | 7 | 6 | 8 | 7 | 6 | 7 | 1 | 48 | 65 | 82 | 995 | 0 |
| | 07:15 | 4 | 7 | 6 | 8 | 7 | 6 | 7 | 1 | 73 | 65 | 81 | 995 | 0 |
| | 07:30 | 4 | 8 | 6 | 9 | 7 | 7 | 7 | 1 | 92 | 66 | 80 | 995 | 0 |
| | 07:45 | 5 | 8 | 7 | 9 | 7 | 6 | 7 | 1 | 126 | 66 | 79 | 995 | 0 |
| | 08:00 | 9 | 9 | 7 | 9 | 7 | 7 | 7 | 1 | 110 | 67 | 78 | 995 | 0 |
| | 08:15 | 8 | 10 | 8 | 11 | 8 | 7 | 7 | 2 | 255 | 69 | 73 | 995 | 0 |
| | 08:30 | 6 | 8 | 7 | 10 | 9 | 8 | 8 | 2 | 200 | 70 | 70 | 995 | 0 |
| | 08:45 | 13 | 13 | 13 | 15 | 8 | 7 | 7 | 3 | 223 | 72 | 63 | 995 | 0 |
| | 09:00 | 22 | 17 | 18 | 21 | 14 | 13 | 12 | 4 | 245 | 74 | 59 | 994 | 0 |
| | 09:15 | 22 | 21 | 22 | 27 | 20 | 19 | 18 | 4 | 241 | 75 | 58 | 994 | 0 |
| | 09:30 | 25 | 22 | 22 | 26 | 22 | 22 | 21 | 5 | 230 | 76 | 55 | 994 | 0 |
| | 09:45 | 24 | 22 | 22 | 26 | 23 | 22 | 22 | 4 | 232 | 77 | 51 | 994 | 0 |
| | 10:00 | 30 | 25 | 25 | 30 | 25 | 24 | 23 | 5 | 232 | 79 | 47 | 994 | 0 |
| | 10:15 | 39 | 34 | 32 | 37 | 29 | 29 | 28 | 5 | 233 | 79 | 45 | 994 | 0 |
| | 10:30 | 39 | 35 | 34 | 42 | 32 | 36 | 36 | 6 | 235 | 80 | 44 | 994 | 0 |
| | 10:45 | 44 | 39 | 38 | 44 | 38 | 38 | 37 | 6 | 228 | 80 | 44 | 994 | 0 |
| | 11:00 | 41 | 39 | 38 | 44 | 37 | 40 | 39 | 5 | 223 | 80 | 44 | 994 | 0 |
| | 11:15 | 39 | 36 | 36 | 41 | 37 | 38 | 36 | 5 | 249 | 79 | 45 | 994 | 0 |
| | 11:30 | 42 | 44 | 40 | 44 | 36 | 39 | 39 | 5 | 236 | 79 | 44 | 993 | 0 |
| | 11:45 | 43 | 38 | 37 | 44 | 36 | 37 | 37 | 6 | 228 | 80 | 45 | 993 | 0 |
| | 12:00 | 42 | 35 | 36 | 41 | 36 | 42 | 41 | 5 | 238 | 80 | 45 | 993 | 0 |
| | 12:15 | 36 | 33 | 35 | 40 | 35 | 37 | 35 | 6 | 241 | 81 | 43 | 993 | 0 |
| | 12:30 | 39 | 34 | 34 | 40 | 37 | 39 | 35 | 6 | 236 | 81 | 44 | 993 | 0 |
| | 12:45 | 38 | 35 | 36 | 42 | 35 | 36 | 38 | 6 | 233 | 81 | 44 | 993 | 0 |
| | 13:00 | 45 | 36 | 36 | 42 | 35 | 40 | 41 | 5 | 228 | 81 | 45 | 993 | 0 |
| | 13:15 | 43 | 35 | 36 | 42 | 36 | 37 | 35 | 5 | 243 | 80 | 44 | 993 | 0 |
| | 13:30 | 42 | 37 | 38 | 44 | 39 | 43 | 40 | 5 | 239 | 80 | 44 | 993 | 0 |
| | 13:45 | 42 | 38 | 44 | 51 | 42 | 43 | 41 | 5 | 228 | 80 | 45 | 993 | 0 |
| | 14:00 | 44 | 39 | 42 | 48 | 42 | 42 | 41 | 5 | 223 | 79 | 45 | 992 | 0 |
| | 14:15 | 47 | 43 | 45 | 52 | 46 | 45 | 44 | 5 | 244 | 79 | 45 | 992 | 0 |
| | 14:30 | 51 | 46 | 49 | 56 | 50 | 49 | 48 | 5 | 236 | 79 | 45 | 992 | 0 |
| | 14:45 | 56 | 50 | 53 | 61 | 54 | 55 | 54 | 5 | 238 | 79 | 45 | 992 | 0 |
| | 15:00 | 57 | 50 | 54 | 62 | 55 | 56 | 54 | 6 | 250 | 78 | 47 | 993 | 0 |
| | 15:15 | 59 | 51 | 55 | 64 | 58 | 58 | 56 | 5 | 242 | 77 | 51 | 993 | 0 |
| | 15:30 | 56 | 50 | 54 | 63 | 56 | 57 | 56 | 4 | 257 | 76 | 55 | 993 | 0 |
| | 15:45 | 54 | 47 | 52 | 60 | 53 | 55 | 52 | 3 | 253 | 75 | 57 | 993 | 0 |
| | 16:00 | 52 | 47 | 50 | 58 | 52 | 52 | 51 | 2 | 261 | 75 | 58 | 993 | 0 |
| | 16:15 | 52 | 46 | 49 | 58 | 51 | 51 | 50 | 3 | 254 | 75 | 59 | 993 | 0 |
| | 16:30 | 52 | 46 | 49 | 58 | 51 | 51 | 50 | 3 | 252 | 74 | 60 | 993 | 0 |
| | 16:45 | 52 | 46 | 49 | 58 | 51 | 51 | 50 | 3 | 249 | 74 | 61 | 993 | 0 |
| | 17:00 | 52 | 47 | 51 | 57 | 51 | 51 | 50 | 2 | 241 | 73 | 62 | 993 | 0 |
| | 17:15 | 50 | 46 | 48 | 55 | 50 | 50 | 48 | 2 | 264 | 73 | 62 | 993 | 0 |
| | 17:30 | 48 | 43 | 45 | 53 | 48 | 49 | 47 | 2 | 260 | 73 | 62 | 993 | 0 |
| | 17:45 | 47 | 41 | 44 | 51 | 46 | 47 | 47 | 1 | 217 | 73 | 65 | 993 | 0 |
| | 18:00 | 46 | 41 | 43 | 49 | 44 | 45 | Offline | 1 | 182 | 72 | 66 | 993 | 0 |
| | 18:15 | 46 | 41 | 43 | 49 | 43 | 42 | 43 | 2 | 238 | 72 | 65 | 993 | 0 |
| | 18:30 | 44 | 39 | 42 | 48 | 44 | 44 | 41 | 1 | 245 | 72 | 66 | 993 | 0 |
| | 18:45 | 44 | 39 | 43 | 49 | 46 | 43 | 42 | 1 | 252 | 72 | 67 | 993 | 0 |
| | 19:00 | 45 | 38 | 44 | 53 | 54 | 42 | 41 | 1 | 206 | 71 | 70 | 993 | 0 |
| | 19:15 | 43 | 41 | 46 | 53 | 47 | 45 | 42 | 1 | 220 | 71 | 70 | 993 | 0 |
| | 19:30 | 47 | 41 | 43 | 49 | 44 | 45 | 44 | 1 | 235 | 70 | 72 | 993 | 0 |
| | 19:45 | 44 | 39 | 43 | 48 | 43 | 43 | 42 | 1 | 262 | 70 | 73 | 993 | 0 |
| | 20:00 | 44 | 38 | 42 | 49 | 44 | 42 | 41 | 1 | 218 | 69 | 73 | 993 | 0 |
| | 20:15 | 43 | 39 | 42 | 48 | 42 | 45 | 41 | 1 | 123 | 69 | 74 | 993 | 0 |
| | 20:30 | 42 | 39 | 42 | 48 | 42 | 42 | 41 | 1 | 189 | 69 | 74 | 993 | 0 |
| | 20:45 | 43 | 38 | 41 | 46 | 41 | 42 | 41 | 1 | 126 | 68 | 76 | 993 | 0 |
| | 21:00 | 44 | 38 | 41 | 46 | 41 | 41 | 40 | 1 | 43 | 68 | 76 | 993 | 0 |
| | 21:15 | 42 | 38 | 40 | 45 | 41 | 41 | 41 | 1 | 358 | 68 | 77 | 993 | 0 |
| | 21:30 | 42 | 37 | 39 | 45 | 40 | 40 | 39 | 1 | 267 | 68 | 76 | 994 | 0 |
| | 21:45 | 44 | 38 | 41 | 47 | 41 | 40 | 40 | 1 | 253 | 68 | 77 | 994 | 0 |
| | 22:00 | 43 | 37 | 40 | 47 | 41 | 41 | 40 | 1 | 324 | 68 | 78 | 994 | 0 |
| | 22:15 | 44 | 37 | 40 | 46 | 41 | 41 | 40 | 1 | 307 | 68 | 78 | 994 | 0 |
| | 22:30 | 44 | 38 | 41 | 46 | 41 | 41 | 40 | 1 | 337 | 67 | 79 | 994 | 0 |
| | 22:45 | 45 | 38 | 42 | 47 | 41 | 41 | 40 | 1 | 285 | 67 | 79 | 994 | 0 |
| | 23:00 | 44 | 38 | 43 | 48 | 42 | 41 | 43 | 1 | 20 | 67 | 80 | 994 | 0 |
| | 23:15 | 44 | 38 | 41 | 47 | 42 | 41 | 40 | 1 | 283 | 67 | 81 | 993 | 0 |
| | 23:30 | 45 | 38 | 43 | 49 | 43 | 41 | 41 | 1 | 263 | 68 | 81 | 993 | 0 |
| | 23:45 | 44 | 38 | 41 | 47 | 43 | 41 | 41 | 1 | 286 | 68 | 83 | 993 | 0 |
| | 00:00 | 41 | 35 | 39 | 44 | 41 | 40 | 40 | 2 | 217 | 68 | 84 | 993 | 0 |

DRAFT

Data are raw values and have not undergone full QA/QC validation.

# APPENDIX B VOC & BENZENE DATA RECORDS

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0716 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0717 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0718 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0719 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0720 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0721 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0723 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0725 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0726 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0727 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0729 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1120 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1121 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1122 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1123 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1124 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1125 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1126 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1127 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1128 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1129 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1131 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1133 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 8/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0725 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0726 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0727 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0738 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1120 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1121 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1122 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1123 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1124 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1125 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1126 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1127 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1128 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1129 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1131 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1133 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
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Preliminary

# PID & GC Readings

| Date: 8/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
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Preliminary

# PID & GC Readings

| Date: 8/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.3 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0721 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0722 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0723 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0725 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0726 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0727 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0733 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample packing for delivery |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample delivery to lab |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample delivery to lab |
|---|---|

At the end of the day:

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3. Note any supplies needed
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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample delivery to lab |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1250 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1251 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1252 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1253 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1254 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1255 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1256 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1257 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1258 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1259 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1260 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1261 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1262 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Odor and readings present in Column 139 present 0.1ppm, but does not last more than 5 seconds. Present when wind gusts. |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0742 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0743 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0744 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0748 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0751 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0752 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0753 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0754 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0755 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample packing for delivery |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample delivery to lab |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample delivery to lab |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Sample delivery to lab |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Column #147 producing Hydrocarbon Odor |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | Y | Hyrdocarbon Odor | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Hydrocarbon odor producing from spoils pile |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | Errors |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.6 | Y | Hydrocarbon-like odor | 0.0 | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.6 | Y | Hydrocarbon-like odor | 0.0 | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | Strong Odors and a high reading of 2.5ppm sustained for 15 seconds at IMPL C and SAM 2<br>Attempting to calibrate the GC Drager to accurately read Benzene levels failed with multiple error messages with the final error message suggesting I contact the service provider. GC Drager (uncalibrated) and PID (Calibrated to 0.2% error) used to determine air quality in and around Area 1. No Benzene was observed on GC Drager. After mixing the spoil pile the PID read 0.0 ppm with little to no odors. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | Errors |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.2 | Y | Hydrocarbon-like odor | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.2 | Y | Hydrocarbon-like odor | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | Errors |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | Y | Hydrocarbon-like odor | NA | NA | NA |
| SAM-4 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | Y | Hydrocarbon-like odor | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/17/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0742 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0743 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0744 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0745 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0746 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0747 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0748 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0751 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0752 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0753 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0754 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0755 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/17/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 8/17/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.2 | Y | Hydrocarbon-like odor | NA | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.2 | Y | Hydrocarbon-like odor | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.2 | Y | Hydrocarbon-like odor | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.2 | Y | Hydrocarbon-like odor | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0731 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0736 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0743 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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|---|---|---|

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.1 | N | NA | NA | NA | NA |
| SAM-4 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.2 | N | NA | NA | NA | NA |
| SAM-4 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.2 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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| Date: 8/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.2 | N | NA | NA | NA | NA |
| SAM-4 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.2 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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# PID & GC Readings

| Date: 8/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0725 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0726 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0727 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0738 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0813 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 8/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1201 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1401 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1501 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/21/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0804 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0815 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/21/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0930 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0931 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0932 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0933 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0937 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0938 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0944 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1015 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1016 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1017 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1018 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1023 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1024 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1025 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1026 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1027 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1028 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1029 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 8/21/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/4/2022 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/21/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/21/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 8/21/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration (ppm) | 0 |
| Span Calibration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-6 | 1605 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-7 | 1606 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0831 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0832 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0833 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0834 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0835 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0836 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0837 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0838 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0839 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0840 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0841 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0842 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0843 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0844 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/22/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-6 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-7 | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0803 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0814 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0903 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 0904 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0912 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0914 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 8/23/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1205 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1215 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1216 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1315 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1415 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1504 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1505 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1506 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1510 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1511 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1515 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1517 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/23/23 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.0 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1606 | 0.0 | N | NA | NA | NA | NA |
| SAM-6 | 1607 | 0.0 | N | NA | NA | NA | NA |
| SAM-7 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1615 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1616 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

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Preliminary

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0731 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0733 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0734 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0744 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0745 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0831 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0832 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 | 0833 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0834 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0835 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0836 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 0837 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0838 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0839 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0840 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0841 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0842 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0843 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0844 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0915 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0916 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0917 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0918 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0920 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0922 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0923 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0924 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0925 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0926 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0927 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0928 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0929 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.2 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-6 | 1605 | 0.0 | N | NA | NA | NA | NA |
| SAM-7 | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0744 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0745 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0746 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0747 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0748 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0749 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0750 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0751 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0752 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0753 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0754 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0755 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0756 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0757 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0758 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0850 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0851 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0852 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0853 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0854 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0855 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0856 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0857 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0858 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0859 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0901 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0904 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0930 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0931 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0932 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0933 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0934 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0935 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0936 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0937 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0938 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 0939 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0940 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0941 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0942 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0943 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0944 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1015 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1016 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1017 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1018 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1019 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1021 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1022 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1023 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1024 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1025 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1026 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1027 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1028 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1029 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | Peak reading of 0.1ppm. | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | Peak reading of 0.1ppm. | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0721 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0722 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0723 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0725 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0726 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0727 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0733 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0734 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1131 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1132 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1133 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1135 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1136 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1137 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1138 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1139 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1140 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1141 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1142 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1143 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1144 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1215 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1216 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1217 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1218 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1220 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1221 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1223 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1224 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1225 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1226 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1227 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1228 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1229 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 8/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0731 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0733 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0744 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0815 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0816 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0817 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0827 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0829 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0903 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0914 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1345 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1346 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1347 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1348 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1349 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1350 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1351 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1352 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1353 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1354 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1355 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1356 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1357 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1358 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1359 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0815 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0816 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0817 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0827 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0829 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0903 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0914 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 8/29/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0803 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0807 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0809 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0811 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0814 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 8/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0903 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0914 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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# PID & GC Readings

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

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# PID & GC Readings

| Date: 8/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 8/31/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0731 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0733 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0744 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0915 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0916 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0917 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0918 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0920 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0922 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0923 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0924 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0925 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0926 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0927 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0928 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0929 | 0.0 | N | NA | NA | NA | NA |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | N | NA | NA | NA | NA |

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# PID & GC Readings

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0731 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0733 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0735 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0738 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0739 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0740 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0741 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0742 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0743 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0744 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0815 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0816 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0817 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0818 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0821 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0822 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0827 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0828 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0829 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0905 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0906 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0907 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 0908 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0911 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 0912 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 0913 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 0914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0917 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0918 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0919 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1006 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1008 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1013 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1014 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1106 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1108 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1114 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1203 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1207 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1208 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1213 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1214 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1303 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1306 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1307 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1308 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1313 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1314 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1403 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1407 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1408 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1414 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1503 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1506 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1508 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1514 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
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4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/1/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 | 1603 | 0.0 | N | NA | NA | NA | NA |
| SAM-5 | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1606 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1607 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1608 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-E | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1613 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1614 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

1. Document site visit in site log
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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0840 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0841 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0842 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0843 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0844 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0845 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0846 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0847 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0848 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0849 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0850 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0851 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0852 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0853 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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# PID & GC Readings

| Date: 9/5/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0721 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0722 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0723 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0725 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0726 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0727 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0731 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0733 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0815 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0816 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0817 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0818 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0820 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0821 | 0.0 | Y | Oil-like odor | NA | NA | NA |
| IMPL-D | 0822 | 0.0 | Y | Oil-like odor | NA | NA | NA |
| IMPL-E | 0823 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0824 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0825 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0826 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0827 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0828 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0901 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0902 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0911 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 0912 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 0913 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1001 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1002 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1003 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1005 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1011 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1013 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1102 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1103 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1104 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1106 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1108 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1109 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1111 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1112 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1113 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1201 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1202 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1205 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1206 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1211 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1212 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1213 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1301 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1302 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1303 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1305 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1306 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1307 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1309 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1311 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1312 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1313 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1401 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1402 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1405 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1406 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1409 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1411 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1412 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1413 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1501 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1502 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1503 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1505 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1506 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1507 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1509 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1511 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1512 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1513 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/6/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1601 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1602 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1603 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1606 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1607 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1609 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-I | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-J | 1613 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0724 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0726 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0738 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0806 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0812 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0818 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0906 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0912 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0918 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1006 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1018 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1134 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1136 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1138 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1140 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1142 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1144 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1146 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1148 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1206 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1218 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1318 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1406 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1418 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1518 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/7/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1606 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1618 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0724 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0726 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0738 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0804 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0802 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0804 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0806 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0808 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0810 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0812 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0814 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0818 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0904 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0902 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0904 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0906 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0912 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0918 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1006 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1018 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1134 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1136 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1138 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1140 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1142 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1144 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1146 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1148 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1206 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1218 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1318 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1406 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1418 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1518 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/8/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1606 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1618 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0724 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0726 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0738 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0834 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0834 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0836 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0838 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0840 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0842 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0844 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0846 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0848 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0909 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0911 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0917 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0923 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1006 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1018 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1134 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1136 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1138 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1140 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1142 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1144 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1146 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1148 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1206 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1218 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1318 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1406 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1418 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1518 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/9/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.6 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1606 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1618 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0724 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0722 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0724 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0726 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0728 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0730 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0732 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0738 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0834 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0832 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0834 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0836 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0838 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0840 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0842 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0844 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0846 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0848 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0905 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0909 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0907 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0909 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0911 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0915 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0917 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0919 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0921 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0923 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1004 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1004 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1006 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1010 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1012 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1014 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1016 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1018 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1134 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1132 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1134 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1136 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1138 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1140 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1142 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1144 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1146 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1148 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1204 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1202 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1204 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1206 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1208 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1212 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1214 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1218 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1318 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1402 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1404 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1406 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1410 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1412 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1414 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1416 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1418 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1504 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1502 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1504 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1506 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1510 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1512 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1514 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1516 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1518 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/11/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 99.8 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1604 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1602 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1604 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1606 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1610 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1614 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1616 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1618 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0721 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0724 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0726 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0729 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0731 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0732 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0734 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0735 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0736 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0737 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0739 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0801 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0802 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0805 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0806 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0809 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0812 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0813 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0814 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0816 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0819 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0820 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 0903 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 0906 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0908 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 0910 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 0911 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0913 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 0914 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 0915 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0916 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 0917 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 0920 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1002 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1006 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1007 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1010 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1012 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1015 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1017 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1020 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1022 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1023 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1101 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1103 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1105 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1107 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1109 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1110 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1113 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1116 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1117 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1118 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1119 | 0.0 | Y | Oil-like odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1203 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1206 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1207 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1210 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1213 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1216 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1217 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1218 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1219 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1222 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1223 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1304 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1302 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1304 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1306 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1308 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1310 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1312 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1314 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1316 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1318 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
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# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1403 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1406 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IMPL-C | 1408 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1410 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1413 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1415 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1416 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1419 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1422 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1425 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| IMPL-A | 1501 | 0.0 | N | NA | NA | NA | NA |
| IMPL-B | 1502 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1505 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1507 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1513 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1515 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1521 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1523 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1524 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Ramp out of Area 2&3 excavation zone built/dug out for drill rig to enter for column installaiton. Excavation of material for ramp allowed for light off-gasing from impacted soil. Odororous, but no readings detected. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/12/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-A | 1603 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-B | 1605 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1606 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IMPL-C | 1608 | 0.0 | N | NA | NA | NA | NA |
| IMPL-D | 1610 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1611 | 0.0 | N | NA | NA | NA | NA |
| IMPL-E | 1612 | 0.0 | N | NA | NA | NA | NA |
| IMPL-F | 1614 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1615 | 0.0 | N | NA | NA | NA | NA |
| IMPL-G | 1617 | 0.0 | N | NA | NA | NA | NA |
| IMPL-H | 1619 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0720 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0722 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0723 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0726 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0727 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0730 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0732 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0733 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0736 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0739 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0742 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0744 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0803 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0805 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0807 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0809 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0810 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0812 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0815 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0817 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0818 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0820 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0823 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0902 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0903 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0905 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0906 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0909 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0912 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0915 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0918 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0920 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0922 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0923 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1002 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1004 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1006 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1008 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1009 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1010 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1013 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1015 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1017 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1020 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1022 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1101 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1104 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1106 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1109 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1111 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1114 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1117 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1118 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1119 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1120 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1123 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1201 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1202 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1205 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1208 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1209 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-E | 1211 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1213 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1215 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1217 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1218 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1301 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1303 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1306 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1307 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1308 | 0.0 | Y | Odor Noted | NA | NA | NA |
| SAM-3 | 1310 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-E | 1311 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-F | 1313 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1315 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1318 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1319 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1402 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1405 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1407 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1408 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1411 | 0.0 | Y | Odor Noted | NA | NA | NA |
| SAM-3 | 1414 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-E | 1417 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-F | 1418 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1419 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1420 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1421 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1503 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1506 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1507 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1509 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1510 | 0.0 | Y | Odor Noted | NA | NA | NA |
| SAM-3 | 1513 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-E | 1516 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-F | 1517 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1520 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1522 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1524 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1602 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1605 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1608 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1609 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1612 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1615 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1616 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1619 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1620 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1622 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1624 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/13/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1700 | 0.0 | Y | NA | NA | NA | NA |
| IPML-A | 1705 | 0.0 | Y | NA | NA | NA | NA |
| IPML-B | 1708 | 0.0 | Y | NA | NA | NA | NA |
| SAM-2 | 1709 | 0.0 | Y | NA | NA | NA | NA |
| IPML-C | 1710 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1715 | 0.1 | Y | Odor Noted | NA | NA | NA |
| SAM-3 | 1716 | 0.1 | Y | Odor Noted | NA | NA | NA |
| IPML-E | 1719 | 0.1 | Y | Odor Noted | NA | NA | NA |
| IPML-F | 1720 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1723 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1724 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1726 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0754 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0756 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0758 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0809 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0813 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0815 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0823 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0825 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 0830 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0835 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0838 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 0840 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0902 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0903 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0905 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0906 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0908 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0910 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0911 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 0913 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0915 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0916 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 0917 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1020 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1026 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1027 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1049 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | NA | 0.0 | N | NA | NA | NA | NA |
| IPML-D | NA | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | NA | 0.0 | N | NA | NA | NA | NA |
| IPML-E | NA | 0.0 | N | NA | NA | NA | NA |
| IPML-F | NA | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | NA | 0.0 | N | NA | NA | NA | NA |
| IPML-G | NA | 0.0 | N | NA | NA | NA | NA |
| IPML-H | NA | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: No further readings were collected for this hour due to IEPA presence onsite. The remainder of the hour was spent explaining the air monitoring procedures. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1114 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1116 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1117 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1132 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1134 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1136 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1141 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1143 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1149 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1150 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1152 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1214 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1216 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1217 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1218 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1220 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1221 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1222 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1223 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1224 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1233 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1234 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1236 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1305 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1307 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1308 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1310 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1312 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1314 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1316 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1318 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1319 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1321 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1324 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1326 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1410 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1412 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1416 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1418 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1420 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1423 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1425 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1426 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1428 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1430 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1431 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1433 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1520 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1523 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1526 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1528 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1532 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1533 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1536 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1538 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1540 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1542 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1543 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1544 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/14/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1610 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1613 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1614 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1615 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1617 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1618 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1620 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1622 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1623 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1624 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1625 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1626 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0741 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0742 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0744 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0745 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0746 | 0.0 | N | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0749 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0753 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0754 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 0755 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 0756 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0757 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0758 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | 0.1 ppm reading sustained at SAM 3 due to moving mats and swell material. Forgen sprayed foam after mat moving was completed. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0838 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0840 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0841 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0842 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0843 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0844 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0845 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0846 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0847 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0848 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0849 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0850 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | Forgen sprayed foam prior to periemeter check around excavation. Foam reduced odors and PID detection levels. |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0918 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0919 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0920 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0923 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 0924 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0925 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0927 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0928 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0929 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0931 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0933 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0934 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1009 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1010 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1011 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1012 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1013 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1014 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1015 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1016 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1017 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1018 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1019 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1103 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1104 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1106 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1107 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1108 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1109 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1110 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1115 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1206 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1208 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1209 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1210 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1212 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1214 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1215 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1216 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1219 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1220 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1224 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1226 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1331 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1332 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1334 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1340 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1342 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1343 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1344 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1348 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1349 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1350 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1351 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1352 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1435 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1436 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1437 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1438 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1439 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1440 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1441 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1442 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1443 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1444 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1445 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1446 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1505 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1506 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1507 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1509 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1510 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1512 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1514 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1515 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1517 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1518 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1519 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/15/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1608 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1609 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1610 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1611 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1612 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1613 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1614 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1615 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1616 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1617 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1618 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1620 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0745 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0746 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0747 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0749 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0752 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0754 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0758 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0759 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0801 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0803 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0808 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0809 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0829 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0830 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0831 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0832 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 0833 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0834 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0835 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0836 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0838 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0840 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0842 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0843 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Forgen sprayed foam prior to periemeter check around excavation. Foam reduced odors and PID detection levels. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0925 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0926 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0927 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0928 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0929 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0930 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0931 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0933 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0934 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0936 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0937 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0938 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1009 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1010 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1011 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1012 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1013 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1014 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1015 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1016 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1017 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1018 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1019 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1103 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1104 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1105 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1106 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1107 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1108 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1109 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1110 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1111 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1112 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1113 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1115 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1156 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1157 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-B | 1159 | 0.0 | Y | Odor Noted | NA | NA | NA |
| SAM-2 | 1200 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-C | 1201 | 0.0 | Y | Odor Noted | NA | NA | NA |
| IPML-D | 1203 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1204 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1207 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1209 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1210 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1211 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1212 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1315 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1316 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1317 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1319 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1322 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1323 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1325 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1326 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1327 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1328 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1329 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1330 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1402 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1404 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1405 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1407 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1408 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1409 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1413 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1415 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1416 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1418 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1419 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1508 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1509 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1510 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1511 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1512 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1513 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1515 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1517 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1518 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1520 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1522 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1523 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/16/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1610 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1612 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1614 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1616 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1617 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1618 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1622 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1623 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1624 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1625 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1626 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1627 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0738 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0746 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0747 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0748 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0753 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0754 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0757 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0802 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0803 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0813 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0820 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0821 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: Perimeter check ran into the 0800 hour due to sample installation. 0800 Perimeter check begins at 0836. |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0836 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0837 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0838 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0839 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0841 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0842 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 0844 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0846 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0847 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0848 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0850 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0851 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | Forgen sprayed foam prior to periemeter check around excavation. |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
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4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0915 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0920 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0921 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0922 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0923 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 0924 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0926 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0928 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0930 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 0933 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0934 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0935 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1000 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1002 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1003 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1004 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1005 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1006 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1007 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1008 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1009 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1010 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1011 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1012 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1108 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1111 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1112 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1113 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1114 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1115 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1116 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1117 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1200 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1201 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1203 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1204 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Heavy odors and high PID readings instantaneously arose from ISS operations resulting in Forgen foaming the spoils and swell. This reduced the readings from 3.5 ppm (peak) to 2.5 - 0.3 ppm (fluctuatuing) to 0.0 ppm with a light tar-like odor within 1 minute. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1230 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1231 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1232 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1233 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1234 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1235 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1240 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1259 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1302 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1304 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1305 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1306 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1308 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1309 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1310 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1311 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1312 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1314 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1315 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1317 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1336 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1342 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1343 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1344 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1414 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1415 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1416 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1417 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1420 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1421 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1440 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1442 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1444 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1446 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1448 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1450 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1510 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1511 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1512 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1513 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1514 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1515 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1519 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1540 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1541 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1542 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1543 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1544 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/18/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1615 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1616 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 1617 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 1618 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 1619 | 0.0 | N | NA | NA | NA | NA |
| IPML-D | 1620 | 0.0 | N | NA | NA | NA | NA |
| SAM-3 | 1621 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 1622 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 1623 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 1624 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 1625 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1626 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0740 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 7432 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0744 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0745 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 0747 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0749 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0756 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0758 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 0759 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 0800 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0806 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0807 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: Perimeter check ran into the 0800 hour due to sample installation. 0800 Perimeter check begins at 0830.<br>Note: Forgen sprayed foam over excavated swell material after haul trucks were loaded out. |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
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Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0831 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0832 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0833 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0834 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0836 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0838 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0482 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0844 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0847 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0850 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0851 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0913 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0914 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0915 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0916 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 0917 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0918 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0920 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0921 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 0922 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 0923 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 0924 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 0925 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1008 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1009 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1010 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1011 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1012 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1013 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1014 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1045 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1046 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1047 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1048 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1049 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1102 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1103 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1104 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1105 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1150 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1152 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1153 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1154 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1155 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1156 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Heavy odors and high PID readings instantaneously arose from ISS operations resulting in Forgen foaming the spoils and swell. This reduced the readings from 3.5 ppm (peak) to 2.5 - 0.3 ppm (fluctuatuing) to 0.0 ppm with a light tar-like odor within 1 minute. |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1201 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1202 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1203 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1204 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1205 | 0.4 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1215 | 0.4 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1216 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1217 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1218 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1220 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1221 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1306 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1307 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1308 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1309 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1310 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1311 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1319 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1340 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1341 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1342 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1343 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1344 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 9/19/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1402 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1404 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1405 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1406 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1407 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1408 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1409 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1410 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1411 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1412 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1413 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Isobutylene = 10 ppm<br>Toluene = 10 ppm |
| Bump Test Concentration (ppm) | Isobutylene = 19.5 ppm<br>Toluene = 11.8 ppm |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0745 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0746 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0747 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0748 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0749 | 0.0 | N | Tar-like odor | NA | NA | NA |
| IPML-D | 0750 | 0.1 | Y | Tar-like odor | NA | NA | NA |
| SAM-3 | 0751 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0752 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0753 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0754 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0755 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0756 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | Note: GC Drager Isobutylene calibration error is 9.5% error<br>Note: GC Drager Toluene calibration error is 1.8% error<br>GC Drager Calibration Passed according to calibration handheld device. |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0833 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 0836 | 0.0 | N | NA | NA | NA | NA |
| IPML-B | 0837 | 0.0 | N | NA | NA | NA | NA |
| SAM-2 | 0838 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0841 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0842 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 0847 | 0.0 | N | NA | NA | NA | NA |
| IPML-E | 0850 | 0.0 | N | NA | NA | NA | NA |
| IPML-F | 0851 | 0.0 | N | NA | NA | NA | NA |
| SAM-4 & 5 | 0852 | 0.0 | N | NA | NA | NA | NA |
| IPML-G | 0858 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 0859 | 0.0 | N | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0925 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 0926 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 0927 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 0930 | 0.0 | N | NA | NA | NA | NA |
| IPML-C | 0939 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 0943 | 0.9 | Y | Hydrocarbon Odor | 0.50 | NA | NA |
| SAM-3 | 0952 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 0953 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 0954 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 0955 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 0956 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 0957 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: IMPL D was directly above the drill location and within such proximity that PID readings were exceeding parameters. A GC Drager was used to measure Benzene levels. Benzene = 0.50 ppm.<br>Outside the perimeter was monitored due to a wind change. No readings were measured past the road on S Webster St. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1001 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1002 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1003 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1004 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1005 | 0.6 | Y | Hydrocarbon Odor | 0.12 | NA | NA |
| IPML-D | 1006 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1008 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1047 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1048 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1049 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1050 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1051 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: IPML C was located very near to borehole resulting in elevated PID readings.<br>PID Avg = 0.6 ppm. Benzene = 0.12 ppm. Peak PID = 2.9 ppm<br>Forgen began active foaming operatinos reducing PID and Benzene count. PID Avg. = 0.1 ppm. Benzene = 0.00 ppm. |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1100 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1101 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1102 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1102 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1103 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1153 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1154 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1155 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1156 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1157 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | Quick readings were taken along the Eastern and Northern perimeter due to consistently low levels with the main issues of odor and high PID readings located along the Eastern and Southern perimeter. |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1201 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1202 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1203 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1204 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1205 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1206 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1215 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1216 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1217 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1218 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1219 | 0.0 | N | NA | NA | NA | NA |
| IPML-H | 1220 | 0.0 | N | NA | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1301 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1302 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1303 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1304 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1305 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1307 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1345 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1346 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1347 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1348 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1349 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1350 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | 1348 End of drilling operations due to faulty Batch Plant Generator. |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1443 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1444 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1445 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1446 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1447 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1448 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1449 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1450 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1451 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1452 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1453 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1454 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1523 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-A | 1524 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1526 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1528 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1531 | 0.3 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1534 | 0.5 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1536 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1548 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1550 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1552 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-G | 1553 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-H | 1554 | 0.0 | Y | Hydrocarbon Odor | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/20/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1620 | 0.0 | N | NA | NA | NA | NA |
| IPML-A | 1621 | 0.4 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-B | 1623 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-2 | 1625 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-C | 1626 | 0.2 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-D | 1628 | 0.4 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-3 | 1633 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-E | 1635 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| IPML-F | 1636 | 0.1 | Y | Hydrocarbon Odor | NA | NA | NA |
| SAM-4 & 5 | 1638 | 0.1 | Y | NA | NA | NA | NA |
| IPML-G | 1640 | 0.1 | Y | NA | NA | NA | NA |
| IPML-H | 1641 | 0.1 | Y | NA | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Isobutylene = 10 ppm<br>Toluene = 10 ppm |
| Bump Test Concentration (ppm) | Unable to Calibrate |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0735 | 0.0 | N | NA | NA | NA |
| IPML-A | 0742 | 0.0 | N | NA | NA | NA |
| IPML-B | 0743 | 0.0 | N | NA | NA | NA |
| SAM-2 | 0745 | 0.0 | N | NA | NA | NA |
| IPML-C | 0751 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0752 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0754 | 0.0 | Y | Hydrocarbon Odor | 0.05 | Tar-like |
| IPML-E | 0802 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 0803 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 0807 | 0.0 | N | NA | NA | NA |
| IPML-G | 0824 | 0.0 | N | NA | NA | NA |
| IPML-H | 0825 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: GC Drager unable to calibrate due to cylinder gas leak overnight. New gas canister enroute |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0841 | 0.0 | N | NA | NA | NA |
| IPML-A | 0842 | 0.0 | N | NA | NA | NA |
| IPML-B | 0843 | 0.0 | N | NA | NA | NA |
| SAM-2 | 0844 | 0.0 | N | NA | NA | NA |
| IPML-C | 0848 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0849 | 0.1 | Y | Hydrocarbon Odor | 0.2 | Hydrocarbon Odor |
| SAM-3 | 0851 | 0.0 | N | NA | NA | NA |
| IPML-E | 0853 | 0.0 | N | NA | NA | NA |
| IPML-F | 0855 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0856 | 0.0 | N | NA | NA | NA |
| IPML-G | 0857 | 0.0 | N | NA | NA | NA |
| IPML-H | 0858 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0925 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0926 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0927 | 0.0 | N | NA | NA | NA |
| SAM-2 | 0930 | 0.0 | N | NA | NA | NA |
| IPML-C | 0939 | 0.3 | N | NA | NA | NA |
| IPML-D | 0943 | 0.9 | Y | Hydrocarbon Odor | 0.05 | NA |
| SAM-3 | 0952 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 0953 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 0954 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 0955 | 0.0 | N | NA | NA | NA |
| IPML-G | 0956 | 0.0 | N | NA | NA | NA |
| IPML-H | 0957 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | Note: IMPL D was directly above the drill location and within such proximity that PID readings were exceeding parameters. A GC Drager was used to measure Benzene levels. Benzene = 0.05 ppm. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1027 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1028 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1029 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1030 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1031 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1032 | 1.0 | Y | Hydrocarbon Odor | 0.57 | Hydrocarbon Odor |
| SAM-3 | 1034 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1035 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1036 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1037 | 0.0 | Y | NA | NA | NA |
| IPML-G | 1038 | 0.0 | Y | NA | NA | NA |
| IPML-H | 1039 | 0.0 | Y | NA | NA | NA |

| **Safety Observation/Suggestion:** | IPML - D was just off of the side of the borehole during active drilling. Visible product was seen during drilling and perimeter check and high PID values were registered. The GC Drager was able to determine a high level of benzene above action level. Forgen began spraing foam. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1110 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1111 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1112 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1113 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1114 | 0.7 | Y | Hydrocarbon Odor | 0.1 | Hydrocarbon Odor |
| IPML-D | 1116 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1117 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1118 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1119 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1120 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1121 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1122 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1159 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1200 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1201 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1202 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1206 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1208 | 0.6 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1210 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1212 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1213 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1215 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1216 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1227 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1333 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1335 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1336 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1339 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1341 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1342 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1353 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1354 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1355 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1356 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1357 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1358 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | 1348 End of drilling operations due to faulty Batch Plant Generator. |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1423 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1425 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1427 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1428 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1431 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1433 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1434 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1436 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1439 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1440 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1441 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1442 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1514 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1516 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1517 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1518 | 0.0 | N | NA | NA | NA |
| IPML-C | 1519 | 0.0 | N | NA | NA | NA |
| IPML-D | 1520 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1521 | 0.0 | N | NA | NA | NA |
| IPML-E | 1523 | 0.0 | N | NA | NA | NA |
| IPML-F | 1524 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1525 | 0.0 | N | NA | NA | NA |
| IPML-G | 1527 | 0.0 | N | NA | NA | NA |
| IPML-H | 1528 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/21/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1613 | 0.0 | N | NA | NA | NA |
| IPML-A | 1616 | 0.0 | Y | NA | NA | NA |
| IPML-B | 1618 | 0.0 | Y | NA | NA | NA |
| SAM-2 | 1620 | 0.0 | Y | NA | NA | NA |
| IPML-C | 1622 | 0.0 | Y | NA | NA | NA |
| IPML-D | 1623 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1624 | 0.0 | Y | NA | NA | NA |
| IPML-E | 1626 | 0.0 | Y | NA | NA | NA |
| IPML-F | 1627 | 0.0 | Y | NA | NA | NA |
| SAM-4 & 5 | 1628 | 0.0 | Y | NA | NA | NA |
| IPML-G | 1629 | 0.0 | Y | NA | NA | NA |
| IPML-H | 1630 | 0.0 | Y | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Isobutylene = 10 ppm<br>Toluene = 10 ppm |
| Bump Test Concentration (ppm) | Unable to Calibrate |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0734 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0737 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0738 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0739 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0742 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0744 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0752 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 0755 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 0756 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 0803 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 0809 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0810 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | Note: GC Drager unable to calibrate due to cylinder gas leak overnight. New gas canister enroute |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0823 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0826 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0828 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0829 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0831 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0833 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0836 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 0837 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 0838 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 0839 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 0841 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0842 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0915 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0916 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0917 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0918 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0919 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0920 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0922 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 0924 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 0925 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 0926 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 0927 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0928 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1030 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1031 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1032 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1033 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1034 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1036 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1042 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1045 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1046 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1048 | 0.0 | N | NA | NA | NA |
| IPML-G | 1050 | 0.0 | N | NA | NA | NA |
| IPML-H | 1051 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1102 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1104 | 0.0 | Y | NA | NA | NA |
| IPML-B | 1105 | 0.0 | Y | NA | NA | NA |
| SAM-2 | 1106 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1108 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1110 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1115 | 0.0 | Y | NA | NA | NA |
| IPML-E | 1124 | 0.0 | Y | NA | NA | NA |
| IPML-F | 1125 | 0.0 | Y | NA | NA | NA |
| SAM-4 & 5 | 1126 | 0.0 | Y | NA | NA | NA |
| IPML-G | 1127 | 0.0 | Y | NA | NA | NA |
| IPML-H | 1128 | 0.0 | Y | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1156 | 0.0 | Y | NA | NA | NA |
| IPML-A | 1157 | 0.0 | Y | NA | NA | NA |
| IPML-B | 1158 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1203 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1204 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1206 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1226 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1228 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1229 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1230 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1233 | 0.0 | Y | NA | NA | NA |
| IPML-H | 1234 | 0.0 | Y | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1311 | 0.0 | N | NA | NA | NA |
| IPML-A | 1312 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1313 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1315 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1317 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1319 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1321 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1323 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1325 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1327 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1328 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1330 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | 1348 End of drilling operations due to faulty Batch Plant Generator. |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1415 | 0.0 | N | NA | NA | NA |
| IPML-A | 1416 | 0.0 | N | NA | NA | NA |
| IPML-B | 1417 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1418 | 0.0 | N | NA | NA | NA |
| IPML-C | 1420 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1421 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1422 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1423 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1424 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1425 | 0.0 | N | NA | NA | NA |
| IPML-G | 1426 | 0.0 | N | NA | NA | NA |
| IPML-H | 1427 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1502 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1503 | 0.0 | N | NA | NA | NA |
| IPML-B | 1504 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1505 | 0.0 | N | NA | NA | NA |
| IPML-C | 1506 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1508 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1511 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1513 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1514 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1516 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1518 | 0.0 | N | NA | NA | NA |
| IPML-H | 1520 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/22/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1602 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1603 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1605 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1607 | 0.6 | Y | Hydrocarbon Odor | 0.06 | Hydrocarbon Odor |
| IPML-D | 1609 | 0.9 | Y | Hydrocarbon Odor | 0.15 | Hydrocarbon Odor |
| SAM-3 | 1613 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1620 | 0.0 | N | NA | NA | NA |
| IPML-F | 1623 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1624 | 0.0 | N | NA | NA | NA |
| IPML-G | 1625 | 0.0 | N | NA | NA | NA |
| IPML-H | 1626 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | Drilling finished at approximately 1620 for the day. No further drilling activities.<br>Forgen foaming once more before ending the day. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0906 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0910 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0911 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0912 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0915 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0916 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0918 | 0.0 | N | NA | NA | NA |
| IPML-E | 0920 | 0.0 | N | NA | NA | NA |
| IPML-F | 0921 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 0922 | 0.0 | N | NA | NA | NA |
| IPML-G | 0928 | 0.0 | N | NA | NA | NA |
| IPML-H | 0929 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1030 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1031 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1032 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1033 | 0.0 | N | NA | NA | NA |
| IPML-C | 1034 | 0.0 | N | NA | NA | NA |
| IPML-D | 1037 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1038 | 0.0 | N | NA | NA | NA |
| IPML-E | 1039 | 0.0 | N | NA | NA | NA |
| IPML-F | 1040 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1042 | 0.0 | N | NA | NA | NA |
| IPML-G | 1043 | 0.0 | N | NA | NA | NA |
| IPML-H | 1045 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1120 | 0.0 | N | NA | NA | NA |
| IPML-A | 1121 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1122 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1123 | 0.0 | N | NA | NA | NA |
| IPML-C | 1124 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1125 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1126 | 0.0 | N | NA | NA | NA |
| IPML-E | 1127 | 0.0 | N | NA | NA | NA |
| IPML-F | 1128 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1130 | 0.0 | N | NA | NA | NA |
| IPML-G | 1131 | 0.0 | N | NA | NA | NA |
| IPML-H | 1132 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | NA | NA | NA |
| IPML-A | 1202 | 0.0 | N | NA | NA | NA |
| IPML-B | 1203 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1204 | 0.0 | N | NA | NA | NA |
| IPML-C | 1206 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1208 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1209 | 0.0 | N | NA | NA | NA |
| IPML-E | 1210 | 0.0 | N | NA | NA | NA |
| IPML-F | 1211 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1212 | 0.0 | N | NA | NA | NA |
| IPML-G | 1213 | 0.0 | N | NA | NA | NA |
| IPML-H | 1214 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1315 | 0.0 | N | NA | NA | NA |
| IPML-A | 1316 | 0.0 | N | NA | NA | NA |
| IPML-B | 1317 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1318 | 0.0 | N | NA | NA | NA |
| IPML-C | 1319 | 0.0 | N | NA | NA | NA |
| IPML-D | 1320 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1321 | 0.0 | N | NA | NA | NA |
| IPML-E | 1322 | 0.0 | N | NA | NA | NA |
| IPML-F | 1323 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1324 | 0.0 | N | NA | NA | NA |
| IPML-G | 1326 | 0.0 | N | NA | NA | NA |
| IPML-H | 1327 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | 1348 End of drilling operations due to faulty Batch Plant Generator. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | NA | NA | NA |
| IPML-A | 1401 | 0.0 | N | NA | NA | NA |
| IPML-B | 1402 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1403 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1404 | 0.0 | N | NA | NA | NA |
| IPML-D | 1405 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1407 | 0.0 | N | NA | NA | NA |
| IPML-E | 1408 | 0.0 | N | NA | NA | NA |
| IPML-F | 1409 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1411 | 0.0 | N | NA | NA | NA |
| IPML-G | 1412 | 0.0 | N | NA | NA | NA |
| IPML-H | 1413 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | NA | NA | NA |
| IPML-A | 1501 | 0.0 | N | NA | NA | NA |
| IPML-B | 1502 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1503 | 0.0 | N | NA | NA | NA |
| IPML-C | 1504 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1505 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1506 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1507 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1508 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1509 | 0.0 | N | NA | NA | NA |
| IPML-G | 1510 | 0.0 | N | NA | NA | NA |
| IPML-H | 1511 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | NA | NA | NA |
| IPML-A | 1602 | 0.0 | N | NA | NA | NA |
| IPML-B | 1603 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1605 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1607 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1609 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1613 | 0.0 | N | NA | NA | NA |
| IPML-E | 1620 | 0.0 | N | NA | NA | NA |
| IPML-F | 1623 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1624 | 0.0 | N | NA | NA | NA |
| IPML-G | 1625 | 0.0 | N | NA | NA | NA |
| IPML-H | 1626 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/23/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | NA |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1700 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1701 | 0.0 | N | NA | NA | NA |
| IPML-B | 1703 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1704 | 0.0 | N | NA | NA | NA |
| IPML-C | 1705 | 0.0 | N | NA | NA | NA |
| IPML-D | 1706 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1708 | 0.0 | N | NA | NA | NA |
| IPML-E | 1709 | 0.0 | N | NA | NA | NA |
| IPML-F | 1710 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1711 | 0.0 | N | NA | NA | NA |
| IPML-G | 1712 | 0.0 | N | NA | NA | NA |
| IPML-H | 1713 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of day for sample shipment |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-A | 0732 | 0.0 | N | | | | |
| IPML-B | 0734 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0736 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0738 | 0.0 | N | | | | |
| IPML-D | 0740 | 0.0 | N | | | | |
| SAM-3 | 0742 | 0.0 | N | | | | |
| IPML-E | 0744 | 0.0 | N | | | | |
| IPML-F | 0746 | 0.0 | N | | | | |
| SAM-4 & 5 | 0748 | 0.0 | N | | | | |
| IPML-G | 0750 | 0.0 | N | | | | |
| IPML-H | 0752 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | Y | HYDROCARBON ODOR. PEAK OF 1.2 PPM | | | |
| IPML-A | 0832 | 0.4 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0834 | 0.3 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0836 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0838 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0840 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 0842 | 0.1 | N | | | | |
| IPML-E | 0844 | 0.1 | N | | | | |
| IPML-F | 0846 | 0.0 | N | | | | |
| SAM-4 & 5 | 0848 | 0.0 | N | | | | |
| IPML-G | 0850 | 0.0 | N | | | | |
| IPML-H | 0852 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0930 | 0.0 | N | Hydrocarbon Odor | | | |
| IPML-A | 0932 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0934 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0936 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0938 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0940 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 0942 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0944 | 0.0 | N | | | | |
| IPML-F | 0946 | 0.0 | N | | | | |
| SAM-4 & 5 | 0948 | 0.0 | N | | | | |
| IPML-G | 0950 | 0.0 | N | | | | |
| IPML-H | 0952 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1150 | 0.1 | N | | | | |
| IPML-A | 1158 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1200 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1202 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1203 | 0.0 | N | | | | |
| IPML-D | 1205 | 0.0 | N | | | | |
| SAM-3 | 1207 | 0.0 | N | | | | |
| IPML-E | 1208 | 0.0 | N | | | | |
| IPML-F | 1210 | 0.0 | N | | | | |
| SAM-4 & 5 | 1212 | 0.0 | N | | | | |
| IPML-G | 1214 | 0.0 | N | | | | |
| IPML-H | 1216 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1245 | 0.0 | N | | | | |
| IPML-A | 1247 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1249 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1251 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1253 | 0.0 | N | | | | |
| IPML-D | 1255 | 0.0 | N | | | | |
| SAM-3 | 1257 | 0.0 | N | | | | |
| IPML-E | 1259 | 0.0 | N | | | | |
| IPML-F | 1301 | 0.0 | N | | | | |
| SAM-4 & 5 | 1303 | 0.0 | N | | | | |
| IPML-G | 1305 | 0.0 | N | | | | |
| IPML-H | 1307 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1330 | 0.0 | N | | | | |
| IPML-A | 1332 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1334 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1336 | 0.0 | N | | | | |
| IPML-C | 1338 | 0.0 | N | | | | |
| IPML-D | 1340 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1342 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1344 | 0.0 | N | | | | |
| IPML-F | 1346 | 0.0 | N | | | | |
| SAM-4 & 5 | 1348 | 0.0 | N | | | | |
| IPML-G | 1350 | 0.0 | N | | | | |
| IPML-H | 1352 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | |
| Bump Test Concentration (ppm) | |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | | | | |
| IPML-A | 1502 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1504 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1506 | 0.0 | N | | | | |
| IPML-C | 1508 | 0.0 | N | | | | |
| IPML-D | 1510 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1512 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1514 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1516 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1518 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-G | 1520 | 0.0 | N | | | | |
| IPML-H | 1522 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/25/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | | | | |
| IPML-A | 1602 | 0.1 | N | | | | |
| IPML-B | 1604 | 0.0 | N | | | | |
| SAM-2 | 1606 | 0.0 | N | | | | |
| IPML-C | 1608 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1610 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1612 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1614 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1616 | 0.0 | N | | | | |
| SAM-4 & 5 | 1618 | 0.0 | N | | | | |
| IPML-G | 1620 | 0.0 | N | | | | |
| IPML-H | 1622 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0745 | 0.0 | N | | | | |
| IPML-A | 0747 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0749 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0751 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0753 | 0.1 | N | | | | |
| IPML-D | 0755 | 0.0 | N | | | | |
| SAM-3 | 0757 | 0.0 | N | | | | |
| IPML-E | 0759 | 0.0 | N | | | | |
| IPML-F | 0801 | 0.0 | N | | | | |
| SAM-4 & 5 | 0803 | 0.0 | N | | | | |
| IPML-G | 0805 | 0.0 | N | | | | |
| IPML-H | 0807 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0835 | O | N | | | | |
| IPML-A | 0837 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0839 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0841 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0843 | 0.0 | N | | | | |
| IPML-D | 0845 | 0.0 | N | | | | |
| SAM-3 | 0847 | 0.0 | N | | | | |
| IPML-E | 0849 | 0.0 | N | | | | |
| IPML-F | 0851 | 0.0 | N | | | | |
| SAM-4 & 5 | 0853 | 0.0 | N | | | | |
| IPML-G | 0855 | 0.0 | N | | | | |
| IPML-H | 0857 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0920 | 0.0 | N | | | | |
| IPML-A | 0922 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0924 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0926 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0928 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0930 | 0.0 | N | | | | |
| SAM-3 | 0932 | 0.0 | N | | | | |
| IPML-E | 0934 | 0.0 | N | | | | |
| IPML-F | 0936 | 0.0 | N | | | | |
| SAM-4 & 5 | 0938 | 0.0 | N | | | | |
| IPML-G | 0940 | 0.0 | N | | | | |
| IPML-H | 0942 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1010 | 0.0 | N | | | | |
| IPML-A | 1012 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1014 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1016 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1018 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1020 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1022 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1024 | 0.0 | N | | | | |
| IPML-F | 1026 | 0.0 | N | | | | |
| SAM-4 & 5 | 1028 | 0.0 | N | | | | |
| IPML-G | 1030 | 0.0 | N | | | | |
| IPML-H | 1032 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | | | | |
| IPML-A | 1102 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1104 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1106 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1108 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1110 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1112 | 0.0 | N | | | | |
| IPML-E | 1114 | 0.0 | N | | | | |
| IPML-F | 1116 | 0.0 | N | | | | |
| SAM-4 & 5 | 1118 | 0.0 | N | | | | |
| IPML-G | 1120 | 0.0 | N | | | | |
| IPML-H | 1122 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | | | | |
| IPML-A | 1202 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1204 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1206 | 0.0 | N | | | | |
| IPML-C | 1208 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1210 | 0.0 | N | | | | |
| SAM-3 | 1212 | 0.0 | N | | | | |
| IPML-E | 1214 | 0.0 | N | | | | |
| IPML-F | 1216 | 0.0 | N | | | | |
| SAM-4 & 5 | 1218 | 0.0 | N | | | | |
| IPML-G | 1220 | 0.0 | N | | | | |
| IPML-H | 1222 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | | | | |
| IPML-A | 1302 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1304 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1306 | 0.3 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1308 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1310 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1312 | 0.0 | N | | | | |
| IPML-E | 1314 | 0.0 | N | | | | |
| IPML-F | 1316 | 0.0 | N | | | | |
| SAM-4 & 5 | 1318 | 0.0 | N | | | | |
| IPML-G | 1320 | 0.0 | N | | | | |
| IPML-H | 1322 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

| Date: 9/26/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | | | | |
| IPML-A | 1402 | 0.0 | N | | | | |
| IPML-B | 1404 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1406 | 0.3 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1408 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1410 | 0.0 | N | | | | |
| SAM-3 | 1412 | 0.0 | N | | | | |
| IPML-E | 1414 | 0.0 | N | | | | |
| IPML-F | 1416 | 0.0 | N | | | | |
| SAM-4 & 5 | 1418 | 0.0 | N | | | | |
| IPML-G | 1420 | 0.0 | N | | | | |
| IPML-H | 1422 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | | | | |
| IPML-A | 1502 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1504 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1506 | 0.3 | Y | Hydrocarbon Odor. PEAK OF 1.7 PPM. | | | |
| IPML-C | 1508 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1510 | 0.0 | N | | | | |
| SAM-3 | 1512 | 0.0 | N | | | | |
| IPML-E | 1514 | 0.0 | N | | | | |
| IPML-F | 1516 | 0.0 | N | | | | |
| SAM-4 & 5 | 1518 | 0.0 | N | | | | |
| IPML-G | 1520 | 0.0 | N | | | | |
| IPML-H | 1522 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.25 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1610 | 0.0 | N | | | | |
| IPML-A | 1612 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1614 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1616 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1618 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1620 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1622 | 0.0 | N | | | | |
| IPML-E | 1624 | 0.0 | N | | | | |
| IPML-F | 1626 | 0.0 | N | | | | |
| SAM-4 & 5 | 1628 | 0.0 | N | | | | |
| IPML-G | 1630 | 0.0 | N | | | | |
| IPML-H | 1632 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.1 | N | PEAK OF 0.3 PPM | | | |
| IPML-A | 0733 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0735 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0737 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0739 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0741 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 0743 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0745 | 0.0 | N | | | | |
| IPML-F | 0747 | 0.0 | N | | | | |
| SAM-4 & 5 | 0749 | 0.0 | N | | | | |
| IPML-G | 0751 | 0.0 | N | | | | |
| IPML-H | 0753 | 0.0 | N | | | | |

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# PID & GC Readings

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|---|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | | | | |
| IPML-A | 0832 | 0.0 | N | | | | |
| IPML-B | 0834 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0836 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0838 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0840 | 0.0 | N | | | | |
| SAM-3 | 0842 | 0.0 | N | | | | |
| IPML-E | 0844 | 0.0 | N | | | | |
| IPML-F | 0846 | 0.0 | N | | | | |
| SAM-4 & 5 | 0848 | 0.0 | N | | | | |
| IPML-G | 0850 | 0.0 | N | | | | |
| IPML-H | 0852 | 0.0 | N | | | | |

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|---|---|

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# PID & GC Readings

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0930 | 0.0 | N | | | | |
| IPML-A | 0932 | 0.0 | N | | | | |
| IPML-B | 0934 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0936 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0938 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0940 | 0.0 | N | | | | |
| SAM-3 | 0942 | 0.0 | N | | | | |
| IPML-E | 0944 | 0.0 | N | | | | |
| IPML-F | 0946 | 0.0 | N | | | | |
| SAM-4 & 5 | 0948 | 0.0 | N | | | | |
| IPML-G | 0950 | 0.0 | N | | | | |
| IPML-H | 0952 | 0.0 | N | | | | |

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|---|---|---|

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|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | | | | |
| IPML-A | 1132 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1134 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1136 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1138 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1140 | 0.0 | N | | | | |
| SAM-3 | 1142 | 0.0 | N | | | | |
| IPML-E | 1144 | 0.0 | N | | | | |
| IPML-F | 1146 | 0.0 | N | | | | |
| SAM-4 & 5 | 1148 | 0.0 | N | | | | |
| IPML-G | 1150 | 0.0 | N | | | | |
| IPML-H | 1152 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1230 | 0.0 | N | | | | |
| IPML-A | 1232 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1234 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1236 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1238 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1240 | 0.0 | N | | | | |
| SAM-3 | 1242 | 0.0 | N | | | | |
| IPML-E | 1244 | 0.0 | N | | | | |
| IPML-F | 1246 | 0.0 | N | | | | |
| SAM-4 & 5 | 1248 | 0.0 | N | | | | |
| IPML-G | 1250 | 0.0 | N | | | | |
| IPML-H | 1252 | 0.0 | N | | | | |

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|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1315 | 0.0 | N | | | | |
| IPML-A | 1317 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1319 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1321 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1323 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1325 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1327 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1329 | 0.0 | N | | | | |
| IPML-F | 1331 | 0.0 | N | | | | |
| SAM-4 & 5 | 1333 | 0.0 | N | | | | |
| IPML-G | 1335 | 0.0 | N | | | | |
| IPML-H | 1337 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | | | | | |
| IPML-A | 1402 | 0.0 | N | | | | |
| IPML-B | 1404 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1406 | 0.0 | N | | | | |
| IPML-C | 1408 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1410 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1412 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1414 | 0.0 | N | | | | |
| IPML-F | 1416 | 0.0 | N | | | | |
| SAM-4 & 5 | 1418 | 0.0 | N | | | | |
| IPML-G | 1420 | 0.0 | N | | | | |
| IPML-H | 1422 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.0 | N | | | | |
| IPML-A | 1502 | 0.0 | N | | | | |
| IPML-B | 1504 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1506 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1508 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1510 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1512 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1514 | 0.0 | N | | | | |
| IPML-F | 1516 | 0.0 | N | | | | |
| SAM-4 & 5 | 1518 | 0.0 | N | | | | |
| IPML-G | 1520 | 0.0 | N | | | | |
| IPML-H | 1522 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1600 | 0.0 | N | | | | |
| IPML-A | 1602 | 0.0 | N | | | | |
| IPML-B | 1604 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1606 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1608 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1610 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1612 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1614 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1616 | 0.0 | N | | | | |
| SAM-4 & 5 | 1618 | 0.0 | N | | | | |
| IPML-G | 1620 | 0.0 | N | | | | |
| IPML-H | 1622 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
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Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1700 | 0.0 | N | | | | |
| IPML-A | 1702 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1704 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1706 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1708 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1710 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1712 | 0.0 | N | | | | |
| IPML-E | 1714 | 0.0 | N | | | | |
| IPML-F | 1716 | 0.0 | N | | | | |
| SAM-4 & 5 | 1718 | 0.0 | N | | | | |
| IPML-G | 1720 | 0.0 | N | | | | |
| IPML-H | 1722 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

| Date: 9/27/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.56 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1800 | 0.0 | N | | | | |
| IPML-A | 1802 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1804 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1806 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1808 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1810 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1812 | 0.0 | N | | | | |
| IPML-E | 1814 | 0.0 | N | | | | |
| IPML-F | 1816 | 0.0 | N | | | | |
| SAM-4 & 5 | 1818 | 0.0 | N | | | | |
| IPML-G | 1820 | 0.0 | N | | | | |
| IPML-H | 1822 | 0.0 | N | | | | |

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Preliminary

# PID & GC Readings

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|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0725 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-A | 0732 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0734 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0736 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0741 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0743 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 0745 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0750 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0752 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 0754 | 0.0 | N | | | | |
| IPML-G | 0758 | 0.0 | N | | | | |
| IPML-H | 0800 | 0.0 | Y | Hydrocarbon Odor | | | |

| **Safety Observation/Suggestion:** | |
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# PID & GC Readings

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0830 | 0.0 | N | | | | |
| IPML-A | 0832 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0834 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0836 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0838 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0840 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 0842 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0844 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0846 | 0.0 | N | | | | |
| SAM-4 & 5 | 0848 | 0.0 | N | | | | |
| IPML-G | 0850 | 0.0 | N | | | | |
| IPML-H | 0852 | 0.0 | N | | | | |

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# PID & GC Readings

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0915 | 0.0 | N | | | | |
| IPML-A | 0917 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0919 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0921 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0923 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0925 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 0927 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0929 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0931 | 0.0 | N | | | | |
| SAM-4 & 5 | 0933 | 0.0 | N | | | | |
| IPML-G | 0935 | 0.0 | N | | | | |
| IPML-H | 0937 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
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# PID & GC Readings

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|---|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1040 | 0.0 | N | | | | |
| IPML-A | 1042 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1044 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1046 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1048 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1050 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1052 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1054 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1056 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1058 | 0.0 | N | | | | |
| IPML-G | 1100 | 0.0 | N | | | | |
| IPML-H | 1102 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1120 | 0.0 | N | | | | |
| IPML-A | 1122 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1124 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1126 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1128 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1130 | 0.0 | N | | | | |
| SAM-3 | 1132 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1134 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1136 | 0.0 | N | | | | |
| SAM-4 & 5 | 1138 | 0.0 | N | | | | |
| IPML-G | 1140 | 0.0 | N | | | | |
| IPML-H | 1142 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1200 | 0.0 | N | | | | |
| IPML-A | 1202 | 0.0 | N | | | | |
| IPML-B | 1204 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1206 | 0.0 | N | | | | |
| IPML-C | 1208 | 0.0 | N | | | | |
| IPML-D | 1210 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1212 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1214 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1216 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1218 | 0.0 | N | | | | |
| IPML-G | 1220 | 0.0 | N | | | | |
| IPML-H | 1222 | 0.0 | Y | Hydrocarbon Odor | | | |

| Safety Observation/Suggestion: | |
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Preliminary

# PID & GC Readings

| Date: 9/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | N | | | | |
| IPML-A | 1302 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1304 | 0.0 | N | | | | |
| SAM-2 | 1306 | 0.0 | N | | | | |
| IPML-C | 1308 | 0.0 | N | | | | |
| IPML-D | 1310 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1312 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1314 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1316 | 0.0 | N | | | | |
| SAM-4 & 5 | 1318 | 0.0 | N | | | | |
| IPML-G | 1320 | 0.0 | N | | | | |
| IPML-H | 1322 | 0.1 | Y | Hydrocarbon Odor | | | |

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|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1430 | 0.0 | N | | | | |
| IPML-A | 1432 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1434 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1436 | 0.0 | N | | | | |
| IPML-C | 1438 | 0.0 | N | | | | |
| IPML-D | 1440 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1442 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1444 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1446 | 0.0 | N | | | | |
| SAM-4 & 5 | 1448 | 0.0 | N | | | | |
| IPML-G | 1450 | 0.0 | N | | | | |
| IPML-H | 1452 | 0.0 | Y | Hydrocarbon Odor | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1535 | 0.0 | N | | | | |
| IPML-A | 1537 | 0.0 | N | | | | |
| IPML-B | 1539 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1541 | 0.0 | N | | | | |
| IPML-C | 1543 | 0.0 | N | | | | |
| IPML-D | 1545 | 0.0 | N | | | | |
| SAM-3 | 1547 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1549 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1551 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1553 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-G | 1555 | 0.0 | N | | | | |
| IPML-H | 1557 | 0.0 | Y | Hydrocarbon Odor | | | |

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Preliminary

# PID & GC Readings

| Date: 9/28/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.48 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1630 | 0.0 | N | | | | |
| IPML-A | 1632 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1634 | 0.0 | N | | | | |
| SAM-2 | 1636 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1638 | 0.0 | N | | | | |
| IPML-D | 1640 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-3 | 1642 | 0.0 | N | | | | |
| IPML-E | 1644 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1646 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1648 | 0.0 | N | | | | |
| IPML-G | 1650 | 0.0 | N | | | | |
| IPML-H | 1652 | 0.0 | Y | Hydrocarbon Odor | | | |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.0 | N | | | | |
| IPML-A | 0734 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 0736 | 0.0 | N | | | | |
| IPML-B | 0738 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0740 | 0.0 | N | | | | |
| SAM-2.5 | 0744 | 0.0 | N | | | | |
| IPML-C | 0746 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 0748 | 0.0 | N | | | | |
| SAM-3 | 0750 | 0.0 | N | | | | |
| IPML-E | 0751 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0755 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 0757 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-G | 0800 | 0.0 | N | | | | |
| IPML-H | 0802 | 0.0 | Y | Hydrocarbon Odor | | | |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0845 | 0.0 | N | | | | |
| IPML-A | 0847 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 0849 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0851 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0853 | 0.0 | N | | | | |
| SAM-2.5 | 0855 | 0.0 | N | | | | |
| IPML-C | 0857 | 0.0 | N | | | | |
| IPML-D | 0859 | 0.0 | N | | | | |
| SAM-3 | 0901 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0903 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0905 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 0907 | 0.0 | N | | | | |
| IPML-G | 0909 | 0.0 | N | | | | |
| IPML-H | 0911 | 0.0 | Y | TAR-LIKE ODOR | | | |

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|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0930 | 0.0 | N | | | | |
| IPML-A | 0932 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 0934 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0936 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0938 | 0.0 | N | | | | |
| SAM-2.5 | 0940 | 0.0 | N | | | | |
| IPML-C | 0942 | 0.0 | N | | | | |
| IPML-D | 0944 | 0.0 | N | | | | |
| SAM-3 | 0946 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 0948 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0950 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 0952 | 0.0 | N | | | | |
| IPML-G | 0954 | 0.0 | N | | | | |
| IPML-H | 0956 | 0.1 | Y | TAR-LIKE ODOR | | | |

| Safety Observation/Suggestion: | |
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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1030 | 0.0 | N | | | | |
| IPML-A | 1032 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1034 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1036 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1038 | 0.0 | N | | | | |
| SAM-2.5 | 1040 | 0.0 | N | | | | |
| IPML-C | 1042 | 0.0 | N | | | | |
| IPML-D | 1044 | 0.0 | N | | | | |
| SAM-3 | 1046 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1048 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1050 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1052 | 0.0 | N | | | | |
| IPML-G | 1054 | 0.0 | N | | | | |
| IPML-H | 1056 | 0.0 | Y | Hydrocarbon Odor | | | |

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1130 | 0.0 | N | | | | |
| IPML-A | 1132 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1134 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1136 | 0.0 | N | | | | |
| SAM-2 | 1138 | 0.0 | N | | | | |
| SAM-2.5 | 1140 | 0.0 | N | | | | |
| IPML-C | 1142 | 0.0 | N | | | | |
| IPML-D | 1144 | 0.0 | N | | | | |
| SAM-3 | 1146 | 0.0 | N | | | | |
| IPML-E | 1148 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1150 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1152 | 0.0 | N | | | | |
| IPML-G | 1154 | 0.0 | N | | | | |
| IPML-H | 1156 | 0.0 | Y | TAR-LIKE ODOR | | | |

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After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/29/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1230 | 0.0 | N | | | | |
| IPML-A | 1232 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1234 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1236 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1238 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1240 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1242 | 0.0 | N | | | | |
| IPML-D | 1244 | 0.0 | N | | | | |
| SAM-3 | 1246 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1248 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1250 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1252 | 0.0 | N | | | | |
| IPML-G | 1254 | 0.0 | N | | | | |
| IPML-H | 1256 | 0.0 | N | | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1330 | 0.0 | N | | | | |
| IPML-A | 1332 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1334 | 0.3 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1336 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1338 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1340 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1342 | 0.0 | N | | | | |
| IPML-D | 1344 | 0.0 | N | | | | |
| SAM-3 | 1346 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1348 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1350 | 0.0 | Y | | | | |
| SAM-4 & 5 | 1352 | 0.0 | Y | | | | |
| IPML-G | 1354 | 0.0 | N | | | | |
| IPML-H | 1356 | 0.0 | N | | | | |

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|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1430 | 0.0 | N | | | | |
| IPML-A | 1432 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1434 | 0.0 | N | | | | |
| IPML-B | 1436 | 0.4 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1438 | 0.4 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1440 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1442 | 0.0 | N | | | | |
| IPML-D | 1444 | 0.0 | N | | | | |
| SAM-3 | 1446 | 0.0 | N | | | | |
| IPML-E | 1448 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1450 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1452 | 0.0 | N | | | | |
| IPML-G | 1454 | 0.0 | N | | | | |
| IPML-H | 1456 | 0.0 | N | | | | |

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|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1530 | 0.0 | N | | | | |
| IPML-A | 1532 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1534 | 0.3 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1536 | 0.4 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1538 | 0.3 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1540 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1542 | 0.0 | N | | | | |
| IPML-D | 1544 | 0.0 | N | | | | |
| SAM-3 | 1546 | 0.0 | N | | | | |
| IPML-E | 1548 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1550 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1552 | 0.0 | N | | | | |
| IPML-G | 1554 | 0.0 | N | | | | |
| IPML-H | 1556 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
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Preliminary

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|---|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 10.28 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1630 | 0.0 | N | | | | |
| IPML-A | 1632 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1634 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1636 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1638 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1640 | 0.0 | N | | | | |
| IPML-C | 1642 | 0.0 | N | | | | |
| IPML-D | 1644 | 0.0 | N | | | | |
| SAM-3 | 1646 | 0.0 | N | | | | |
| IPML-E | 1648 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1650 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1652 | 0.0 | N | | | | |
| IPML-G | 1654 | 0.0 | N | | | | |
| IPML-H | 1656 | 0.0 | Y | Hydrocarbon Odor | | | |

| Safety Observation/Suggestion: | |
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Preliminary

# PID & GC Readings

| Date: 9/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.77 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0730 | 0.0 | N | | | | |
| IPML-A | 0732 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 0734 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0736 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0738 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 0740 | 0.0 | N | | | | |
| IPML-C | 0742 | 0.0 | N | | | | |
| IPML-D | 0744 | 0.0 | N | | | | |
| SAM-3 | 0746 | 0.0 | N | | | | |
| IPML-E | 0748 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0750 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 0752 | 0.0 | N | | | | |
| IPML-G | 0754 | 0.0 | N | | | | |
| IPML-H | 0756 | 0.0 | Y | Hydrocarbon Odor | | | |

| Safety Observation/Suggestion: | |
|---|---|

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| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0900 | 0.0 | N | | | | |
| IPML-A | 0902 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 0904 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 0906 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 0908 | 0.2 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 0910 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-C | 0912 | 0.0 | N | | | | |
| IPML-D | 0914 | 0.0 | N | | | | |
| SAM-3 | 0916 | 0.0 | N | | | | |
| IPML-E | 0918 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 0920 | 0.0 | N | | | | |
| SAM-4 & 5 | 0922 | 0.0 | N | | | | |
| IPML-G | 0924 | 0.0 | N | | | | |
| IPML-H | 0926 | 0.0 | Y | Hydrocarbon Odor | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1010 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-A | 1012 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1014 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1016 | 0.0 | N | | | | |
| SAM-2 | 1018 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1020 | 0.0 | N | | | | |
| IPML-C | 1022 | 0.0 | N | | | | |
| IPML-D | 1024 | 0.0 | N | | | | |
| SAM-3 | 1026 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1028 | 0.0 | N | | | | |
| IPML-F | 1030 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1032 | 0.0 | N | | | | |
| IPML-G | 1034 | 0.0 | N | | | | |
| IPML-H | 1036 | 0.0 | Y | Hydrocarbon Odor | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1100 | 0.0 | N | | | | |
| IPML-A | 1102 | 0.0 | N | | | | |
| SAM-1.5 | 1104 | 0.0 | N | | | | |
| IPML-B | 1106 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1108 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1110 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-C | 1112 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1114 | 0.0 | N | | | | |
| SAM-3 | 1116 | 0.0 | N | | | | |
| IPML-E | 1118 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1120 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1122 | 0.0 | N | | | | |
| IPML-G | 1124 | 0.0 | N | | | | |
| IPML-H | 1126 | 0.0 | N | | | | |

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|---|---|

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|---|---|
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| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1205 | 0.0 | N | | | | |
| IPML-A | 1207 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1209 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1211 | 0.3 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1213 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-2.5 | 1215 | 0.0 | N | | | | |
| IPML-C | 1217 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1219 | 0.0 | N | | | | |
| SAM-3 | 1221 | 0.0 | N | | | | |
| IPML-E | 1223 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1225 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1227 | 0.0 | N | | | | |
| IPML-G | 1229 | 0.0 | N | | | | |
| IPML-H | 1231 | 0.0 | Y | Hydrocarbon Odor | | | |

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|---|---|

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| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1300 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-A | 1302 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1304 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1306 | 0.0 | N | | | | |
| SAM-2 | 1308 | 0.0 | N | | | | |
| SAM-2.5 | 1310 | 0.0 | N | | | | |
| IPML-C | 1312 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1314 | 0.0 | N | | | | |
| SAM-3 | 1316 | 0.2 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1318 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1320 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1322 | 0.0 | N | | | | |
| IPML-G | 1324 | 0.0 | N | | | | |
| IPML-H | 1326 | 0.2 | Y | Hydrocarbon Odor | | | |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 9/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1400 | 0.0 | N | | | | |
| IPML-A | 1402 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1404 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1406 | 0.1 | Y | Hydrocarbon Odor | | | |
| SAM-2 | 1408 | 0.0 | N | | | | |
| SAM-2.5 | 1410 | 0.0 | N | | | | |
| IPML-C | 1412 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-D | 1414 | 0.0 | N | | | | |
| SAM-3 | 1416 | 0.1 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1418 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1420 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-4 & 5 | 1422 | 0.0 | N | | | | |
| IPML-G | 1424 | 0.0 | N | | | | |
| IPML-H | 1426 | 0.1 | Y | Hydrocarbon Odor | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1510 | 0.0 | N | | | | |
| IPML-A | 1512 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1514 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1516 | 0.0 | N | | | | |
| SAM-2 | 1518 | 0.0 | N | | | | |
| SAM-2.5 | 1520 | 0.0 | N | | | | |
| IPML-C | 1522 | 0.0 | N | | | | |
| IPML-D | 1524 | 0.0 | N | | | | |
| SAM-3 | 1526 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1528 | 0.0 | N | | | | |
| IPML-F | 1530 | 0.0 | N | | | | |
| SAM-4 & 5 | 1532 | 0.0 | N | | | | |
| IPML-G | 1534 | 0.0 | N | | | | |
| IPML-H | 1536 | 0.0 | N | | | | |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 9/30/2023 | Technician Name: Marshall Arendell | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Calibration (ppm) | |
|---|---|
| Zero Calibration | 0.0 |
| Span Calibration | 100.1 |

| GC Bump Test (Perform Daily) | |
|---|---|
| Tank Concentration (ppm) | 10.0 |
| Bump Test Concentration (ppm) | 9.8 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | | |
|---|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Benzne Concentration upwind (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1615 | 0.0 | N | | | | |
| IPML-A | 1617 | 0.0 | Y | Hydrocarbon Odor | | | |
| SAM-1.5 | 1619 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-B | 1621 | 0.0 | N | | | | |
| SAM-2 | 1623 | 0.0 | N | | | | |
| SAM-2.5 | 1625 | 0.0 | N | | | | |
| IPML-C | 1627 | 0.0 | N | | | | |
| IPML-D | 1629 | 0.0 | N | | | | |
| SAM-3 | 1631 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-E | 1633 | 0.0 | Y | Hydrocarbon Odor | | | |
| IPML-F | 1635 | 0.0 | N | | | | |
| SAM-4 & 5 | 1637 | 0.0 | N | | | | |
| IPML-G | 1639 | 0.0 | N | | | | |
| IPML-H | 1641 | 0.1 | Y | Hydrocarbon Odor | | | |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0740 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0741 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0742 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0743 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0744 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 0745 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0746 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0747 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0748 | 0.0 | N | NA | NA | NA |
| IPML-E | 0749 | 0.0 | N | NA | NA | NA |
| IPML-F | 0750 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0751 | 0.0 | N | NA | NA | NA |
| IPML-G | 0752 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0753 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0801 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0802 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0803 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0804 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 0805 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0806 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0807 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0809 | 0.0 | N | NA | NA | NA |
| IPML-E | 0810 | 0.0 | N | NA | NA | NA |
| IPML-F | 0811 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0812 | 0.0 | N | NA | NA | NA |
| IPML-G | 0813 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0814 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0854 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0900 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0902 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0908 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0908 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 0916 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0928 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0930 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0932 | 0.0 | N | NA | NA | NA |
| IPML-E | 0940 | 0.0 | N | NA | NA | NA |
| IPML-F | 0941 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0944 | 0.0 | N | NA | NA | NA |
| IPML-G | 0959 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1000 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1030 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1031 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1033 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1034 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1035 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1036 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1038 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1039 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1041 | 0.1 | N | NA | NA | NA |
| IPML-E | 1042 | 0.1 | N | NA | NA | NA |
| IPML-F | 1043 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1044 | 0.0 | N | NA | NA | NA |
| IPML-G | 1046 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1047 | 0.1 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1105 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1106 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1107 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1108 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1109 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1110 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1112 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1113 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1115 | 0.1 | N | NA | NA | NA |
| IPML-E | 1116 | 0.1 | N | NA | NA | NA |
| IPML-F | 1117 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1118 | 0.0 | N | NA | NA | NA |
| IPML-G | 1119 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1120 | 0.1 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1211 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1215 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1216 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1217 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1218 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1220 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1221 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1223 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1240 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1245 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1247 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1250 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1251 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1252 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1330 | 0.0 | N | NA | NA | NA |
| IPML-A | 1331 | 0.0 | N | NA | NA | NA |
| SAM 1.5 | 1332 | 0.0 | N | NA | NA | NA |
| IPML-B | 1333 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1334 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1336 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1338 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1339 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1340 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1343 | 0.0 | N | NA | NA | NA |
| IPML-F | 1344 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1345 | 0.0 | N | NA | NA | NA |
| IPML-G | 1347 | 0.0 | N | NA | NA | NA |
| IPML-H | 1348 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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# PID & GC Readings

| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1440 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1441 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1442 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1443 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1444 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1445 | 0.4 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1446 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1447 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1448 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1451 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1453 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1454 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1455 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1456 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1500 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1501 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1502 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1503 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1504 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1505 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1507 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1509 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1510 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1513 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1515 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1517 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1520 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1521 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/2/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1612 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1613 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1614 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1615 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1616 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1617 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1618 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1619 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1620 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1621 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1622 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1623 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1624 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1625 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | End of Day due to sample shipment |
|---|---|

At the end of the day:

1. Document site visit in site log
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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0740 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0741 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0743 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0744 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0746 | 0.0 | N | NA | NA | NA |
| SAM 2.5 | 0748 | 0.0 | N | NA | NA | NA |
| IPML-C | 0749 | 0.0 | N | NA | NA | NA |
| IPML-D | 0750 | 0.0 | N | NA | NA | NA |
| SAM-3 | 0752 | 0.0 | N | NA | NA | NA |
| IPML-E | 0753 | 0.0 | N | NA | NA | NA |
| IPML-F | 0754 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0756 | 0.0 | N | NA | NA | NA |
| IPML-G | 0757 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0758 | 0.1 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0800 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0801 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0803 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0804 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0806 | 0.0 | N | NA | NA | NA |
| SAM 2.5 | 0808 | 0.0 | N | NA | NA | NA |
| IPML-C | 0809 | 0.0 | N | NA | NA | NA |
| IPML-D | 0811 | 0.0 | N | NA | NA | NA |
| SAM-3 | 0812 | 0.0 | N | NA | NA | NA |
| IPML-E | 0813 | 0.0 | N | NA | NA | NA |
| IPML-F | 0814 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0815 | 0.0 | N | NA | NA | NA |
| IPML-G | 0816 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0817 | 0.1 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0917 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0918 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0919 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0920 | 0.0 | N | NA | NA | NA |
| SAM-2 | 0921 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 0922 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0923 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0924 | 0.0 | N | NA | NA | NA |
| SAM-3 | 0925 | 0.0 | N | NA | NA | NA |
| IPML-E | 0926 | 0.0 | N | NA | NA | NA |
| IPML-F | 0927 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0928 | 0.0 | N | NA | NA | NA |
| IPML-G | 0929 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 0930 | 0.1 | Y | Hydrocarbon Odor | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1007 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1008 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1009 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1010 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1011 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1012 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1013 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1014 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1020 | 0.0 | N | NA | NA | NA |
| IPML-E | 1021 | 0.0 | N | NA | NA | NA |
| IPML-F | 1022 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1023 | 0.0 | N | NA | NA | NA |
| IPML-G | 1024 | 0.0 | N | NA | NA | NA |
| IPML-H | 1025 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1116 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1117 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1118 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1119 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1120 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1121 | 0.0 | N | NA | NA | NA |
| IPML-C | 1122 | 0.0 | N | NA | NA | NA |
| IPML-D | 1123 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1130 | 0.0 | N | NA | NA | NA |
| IPML-E | 1132 | 0.0 | N | NA | NA | NA |
| IPML-F | 1133 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1134 | 0.0 | N | NA | NA | NA |
| IPML-G | 1135 | 0.0 | N | NA | NA | NA |
| IPML-H | 1136 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1219 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1220 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1221 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1222 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1223 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1224 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1225 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1230 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1233 | 0.0 | N | NA | NA | NA |
| IPML-E | 1234 | 0.0 | N | NA | NA | NA |
| IPML-F | 1235 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1236 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1237 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-H | 1238 | 0.0 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1330 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1331 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1332 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1333 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1334 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1336 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1338 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1339 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1340 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1343 | 0.0 | N | NA | NA | NA |
| IPML-F | 1344 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1345 | 0.0 | N | NA | NA | NA |
| IPML-G | 1347 | 0.0 | N | NA | NA | NA |
| IPML-H | 1348 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1415 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1416 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1417 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1420 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1421 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1423 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1424 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1425 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1426 | 0.0 | N | NA | NA | NA |
| IPML-E | 1427 | 0.0 | N | NA | NA | NA |
| IPML-F | 1428 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1429 | 0.0 | N | NA | NA | NA |
| IPML-G | 1430 | 0.0 | N | NA | NA | NA |
| IPML-H | 1431 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1501 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1502 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1503 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1504 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1505 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1506 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1508 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1510 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1527 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1528 | 0.0 | N | NA | NA | NA |
| IPML-F | 1529 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1530 | 0.0 | N | NA | NA | NA |
| IPML-G | 1531 | 0.0 | N | NA | NA | NA |
| IPML-H | 1532 | 0.1 | Y | Hydrocarbon Odor | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1621 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1622 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1623 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1624 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1625 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1626 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1627 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1628 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1629 | 0.0 | N | NA | NA | NA |
| IPML-E | 1630 | 0.0 | N | NA | NA | NA |
| IPML-F | 1631 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1632 | 0.0 | N | NA | NA | NA |
| IPML-G | 1633 | 0.0 | N | NA | NA | NA |
| IPML-H | 1634 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day due to sample shipment |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/3/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100.1 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | Empty |
| Bump Test Concentration (ppm) | NA |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1707 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1709 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1710 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1711 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1712 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1713 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1714 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1716 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1720 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1721 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1722 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1723 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-G | 1724 | 0.0 | N | NA | NA | NA |
| IPML-H | 1725 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | End of Day |
|---|---|

At the end of the day:

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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

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Preliminary

# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0731 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0732 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0733 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0734 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0735 | 0.2 | N | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 0736 | 0.1 | N | Hydrocarbon Odor | NA | NA |
| IPML-C | 0737 | 0.0 | N | Hydrocarbon Odor | NA | NA |
| IPML-D | 0738 | 0.0 | N | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0739 | 0.0 | N | NA | NA | NA |
| IPML-E | 0740 | 0.0 | N | NA | NA | NA |
| IPML-F | 0741 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0742 | 0.0 | N | NA | NA | NA |
| IPML-G | 0743 | 0.0 | N | NA | NA | NA |
| IPML-H | 0758 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0817 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0818 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0821 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0823 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 0824 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 0826 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 0827 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0829 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0831 | 0.0 | N | NA | NA | NA |
| IPML-E | 0832 | 0.0 | N | NA | NA | NA |
| IPML-F | 0833 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0834 | 0.0 | N | NA | NA | NA |
| IPML-G | 0835 | 0.0 | N | NA | NA | NA |
| IPML-H | 0836 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

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Preliminary

# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 0925 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 0926 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 0927 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 0928 | 0.0 | N | NA | NA | NA |
| SAM-2 | 0929 | 0.0 | N | NA | NA | NA |
| SAM 2.5 | 0930 | 0.0 | N | NA | NA | NA |
| IPML-C | 0935 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 0936 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 0937 | 0.0 | N | NA | NA | NA |
| IPML-E | 0938 | 0.0 | N | NA | NA | NA |
| IPML-F | 0939 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 0940 | 0.0 | N | NA | NA | NA |
| IPML-G | 0941 | 0.0 | N | NA | NA | NA |
| IPML-H | 0942 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

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# PID & GC Readings

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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1015 | 0.0 | N | NA | NA | NA |
| IPML-A | 1016 | 0.0 | N | NA | NA | NA |
| SAM 1.5 | 1017 | 0.0 | N | NA | NA | NA |
| IPML-B | 1018 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1019 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1021 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1027 | 0.0 | N | NA | NA | NA |
| IPML-D | 1028 | 0.0 | N | NA | NA | NA |
| SAM-3 | 1029 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1030 | 0.0 | N | NA | NA | NA |
| IPML-F | 1031 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1032 | 0.0 | N | NA | NA | NA |
| IPML-G | 1033 | 0.0 | N | NA | NA | NA |
| IPML-H | 1034 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
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**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1108 | 0.0 | N | NA | NA | NA |
| IPML-A | 1109 | 0.0 | N | NA | NA | NA |
| SAM 1.5 | 1110 | 0.0 | N | NA | NA | NA |
| IPML-B | 1111 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1112 | 0.0 | N | NA | NA | NA |
| SAM 2.5 | 1113 | 0.0 | N | NA | NA | NA |
| IPML-C | 1118 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1119 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1124 | 0.0 | N | NA | NA | NA |
| IPML-E | 1125 | 0.0 | N | NA | NA | NA |
| IPML-F | 1126 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1127 | 0.0 | N | NA | NA | NA |
| IPML-G | 1128 | 0.0 | N | NA | NA | NA |
| IPML-H | 1129 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1208 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1209 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1210 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1211 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1212 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1214 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1221 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1222 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1223 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1224 | 0.0 | N | NA | NA | NA |
| IPML-F | 1225 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1226 | 0.0 | N | NA | NA | NA |
| IPML-G | 1227 | 0.0 | N | NA | NA | NA |
| IPML-H | 1229 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

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# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1343 | 0.0 | N | NA | NA | NA |
| IPML-A | 1344 | 0.0 | N | NA | NA | NA |
| SAM 1.5 | 1345 | 0.0 | N | NA | NA | NA |
| IPML-B | 1346 | 0.0 | N | NA | NA | NA |
| SAM-2 | 1347 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1348 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1357 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1358 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1406 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1407 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1408 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1409 | 0.0 | N | NA | NA | NA |
| IPML-G | 1410 | 0.0 | N | NA | NA | NA |
| IPML-H | 1411 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | Shut down of site activities.<br>Forgen prepping excavation to walk rig out of the hole by moving mats causing stronger odors. |
|---|---|

At the end of the day:

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Preliminary

# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1450 | 0.0 | N | NA | NA | NA |
| IPML-A | 1452 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1453 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1454 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1455 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| SAM 2.5 | 1456 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| IPML-C | 1459 | 0.3 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1500 | 0.2 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1502 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-E | 1503 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-F | 1504 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-4 & 5 | 1505 | 0.0 | N | NA | NA | NA |
| IPML-G | 1506 | 0.0 | N | NA | NA | NA |
| IPML-H | 1507 | 0.0 | N | NA | NA | NA |

| **Safety Observation/Suggestion:** | |
|---|---|

At the end of the day:

1. Document site visit in site log
2. Scan all forms associated with site check acitvities and the site log into site laptop memory
3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

# PID & GC Readings

| Date: 10/4/2023 | Technician Name: Joshua Richards | Site: Ameren Taylorville, IL |
|---|---|---|

**If the handheld PID reading is ≥0.5 ppm for more than 1 min, bring out the Drager Gas Chromatagraph (GC) to that site location that had the high VOC reading to monitor for Benzene. If Benzene is detected, contact someone from the Rolling Meadows Air Team.**

| Daily PID Bump Test | |
|---|---|
| Tank Concentration (ppm) | 100 |
| Bump Test Concentration (ppm) | 100 |

| GC Bump Test (if GC is required) | |
|---|---|
| Tank Concentration (ppm) | 10 |
| Bump Test Concentration (ppm) | 9.67 |

| PID Readings | | | | | Drager GC (only if VOC ≥0.5 ppm) | |
|---|---|---|---|---|---|---|
| Site Name | Time (CT) | Average VOC Concentration (ppm) | Odor Present? (Y/N) | Comments (Describe odor, if detected) | Benzene Concentration (ppm) | Comments (Describe odor, if detected) |
| SAM-1 | 1523 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-A | 1524 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM 1.5 | 1525 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| IPML-B | 1526 | 0.0 | Y | Hydrocarbon Odor | NA | NA |
| SAM-2 | 1527 | 0.0 | N | NA | NA | NA |
| SAM 2.5 | 1529 | 0.0 | N | NA | NA | NA |
| IPML-C | 1536 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| IPML-D | 1537 | 0.1 | Y | Hydrocarbon Odor | NA | NA |
| SAM-3 | 1539 | 0.0 | N | NA | NA | NA |
| IPML-E | 1540 | 0.0 | N | NA | NA | NA |
| IPML-F | 1541 | 0.0 | N | NA | NA | NA |
| SAM-4 & 5 | 1542 | 0.0 | N | NA | NA | NA |
| IPML-G | 1543 | 0.0 | N | NA | NA | NA |
| IPML-H | 1544 | 0.0 | N | NA | NA | NA |

| Safety Observation/Suggestion: | |
|---|---|

At the end of the day:

1. Document site visit in site log
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3. Note any supplies needed
4. Confirm all analyzers are in "operate" mode

After site check, distribute form to ERM project team: ERM.NorthernDivisionAirMonitoring@erm.com within **24 hours** of site check.

Preliminary

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